

Historic, Archive Document

Do not assume content reflects current
scientific knowledge, policies, or practices.

S & W
W. W. TRACY, JR.

SPRING 1906

6261
X
Stumpp & Walker Co.

SEEDS.
BULBS.
PLANTS.



COLLECTION
1 P'KT EACH
BY MAIL
FOR 25¢
CUCUMBER W. SPINE,
LETTUCE DUMONT,
PARSLEY MOSS CURLED
PEAS THOMAS LAXTON
RADISH WHITE TIP.

50 BARCLAY ST.
NEW YORK.

1906

JULIAN H. WALTER, President
HENRY EICKE, Secretary

GEORGE G. STUMPP, Treasurer

Stumpp & Walter Co.

50 BARCLAY ST., 404 EAST 34th ST.
New York

OUR list of seeds comprises all the standard varieties, together with those apparently most valuable of recent introduction. The seeds we offer have been raised under the supervision of our most reliable growers, and are unsurpassed in quality; but as practical experience has demonstrated that owing to unfavorable weather and improper treatment the best of seeds may fail, we desire it distinctly understood that for these reasons only ***we do not warrant seed.***

Vegetable or Flower Seeds ordered by the packet, ounce, 2 ounce, $\frac{1}{4}$ lb. and pound, will be sent carriage paid. Postage must be added to all Peas, Beans and Corn at the rate of 10 cts. per quart, if wanted by mail; otherwise we will send by express, purchaser paying the charges.

Remittances should be made by Draft on Bank, Post Office Order, Registered Letter or Express Money Order. Small sums may be sent in Postage Stamps of small denominations. Particular care is essential in having Name, Post Office, County and State distinctly written. We are in receipt of many orders deficient in these important particulars, often causing a delay of weeks in executing them, to the great inconvenience of both parties.

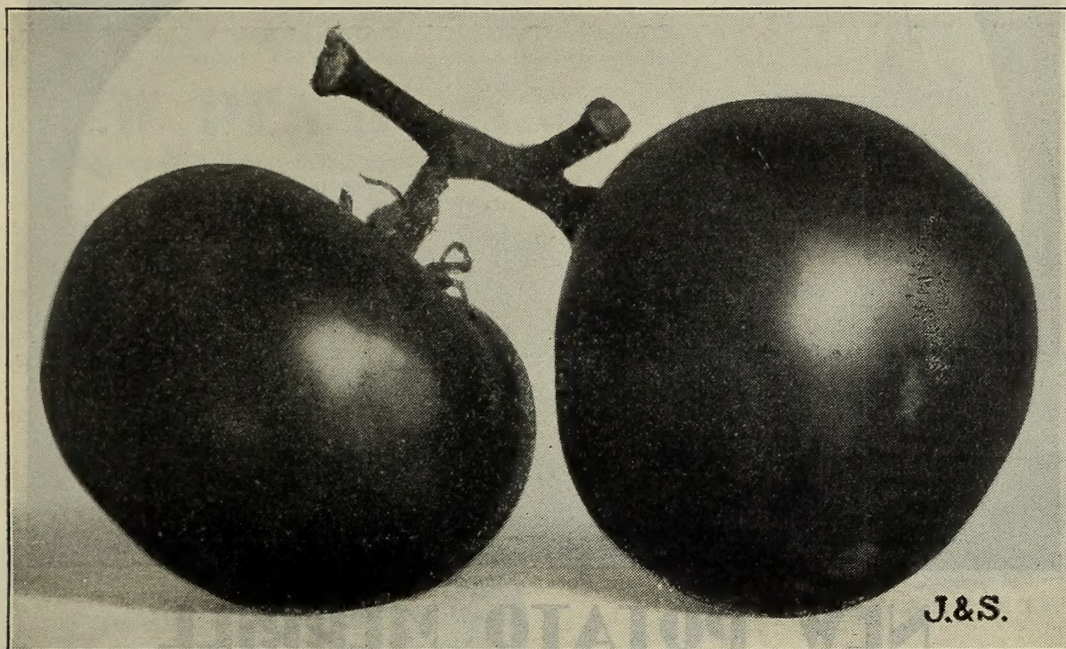
Our branch store at **404 East 34th Street**, near the Long Island Ferry, makes it convenient for our Long Island friends and patrons to leave their orders at said store, where they will be given the same prompt and careful attention as is practiced in our down-town store.

Asking a fair examination of this Catalogue and soliciting your future orders, we remain, with thanks for past favors,

Very respectfully,

STUMPP & WALTER CO.

NOVELTIES AND SPECIALTIES IN VEGETABLE SEED



J.&S.

June Pink Tomato.

JUNE PINK TOMATO

Description: The June Pink Tomato in habit of growth is similar to the Earliana. The plant is neat and compact, branching freely, with fruit hanging in clusters of six to ten fruits, both in the crown and at the forks of the branches. Under exactly the same conditions as given Sparks' Earliana and Chalk's Jewel, the June Pink yielded as much fruit as either, and the vines after the crop had been harvested were greener and brighter, and showed no tendency to blight. It ripens fully as early as the Sparks' Earliana and quite ten days to two weeks ahead of Chalk's Early Jewel.

The fruit is of medium size, uniform, smooth, and attractively shaped, without cracks or any green core. The fruit will average $2\frac{3}{4}$ to 3 inches in diameter, and from 2 to $2\frac{1}{2}$ inches in depth. The skin is reasonably tough so that it is excellent for shipping purposes. In color it is a bright, pleasing pink, and in markets where a pink tomato is desired will bring 25 per cent. more in price than any red variety. It has the further quality, making it especially desirable for private use, of continuing to bear and ripen fruit up until frost.

In offering the June Pink Tomato we do so with every confidence that it will at once take the unique position in pink varieties which the Earliana now holds over the whole country in the red sorts. Per pkt. 20c., 6 pkts. \$1.00.

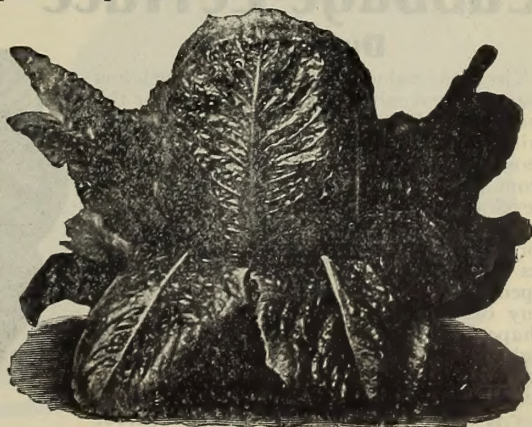
Eclipse Cos Lettuce

A perfectly distinct variety. It is the dwarfest Cos Lettuce, and produces a firm crisp heart quicker than other sorts.

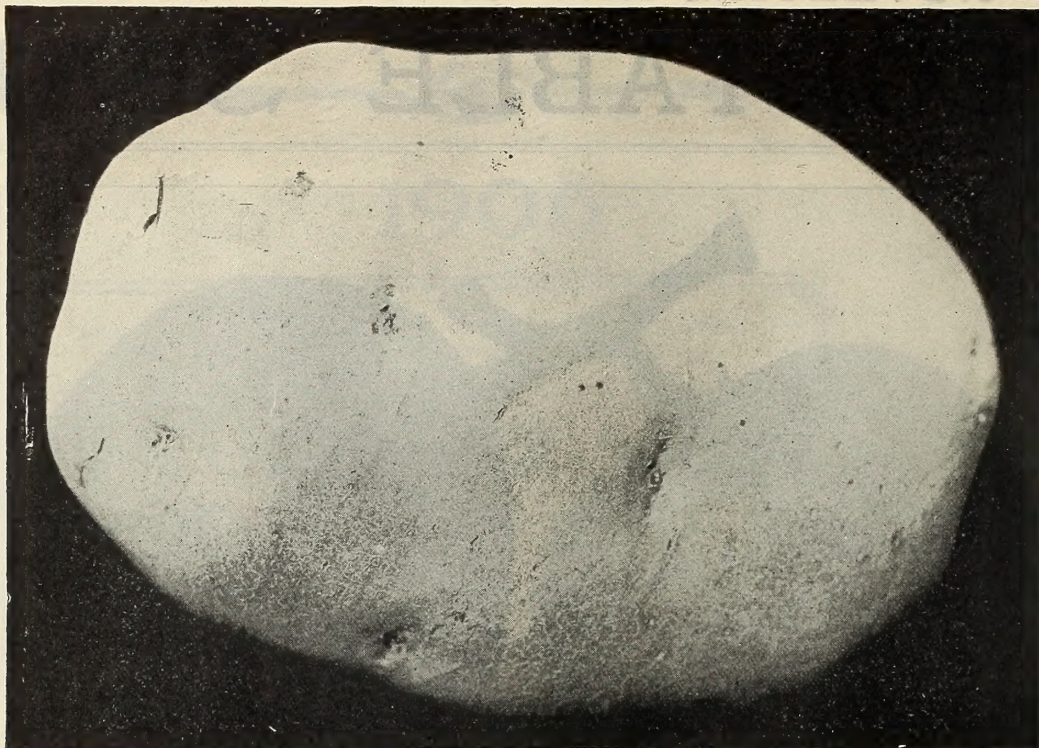
**The Earliest
and
Dwarfest
Cos Lettuce**

Moreover, it is the most self-folding variety. These three characteristics will ensure its demand for early use, whether in the gentleman's garden or for market work. In color it resembles the Paris

White, but is somewhat greener. Per pkt. 15c., per $\frac{1}{2}$ oz. 30c., per oz. 50c.



Lettuce Eclipse Cos.

*New Potato Merrill.*

NEW POTATO MERRILL

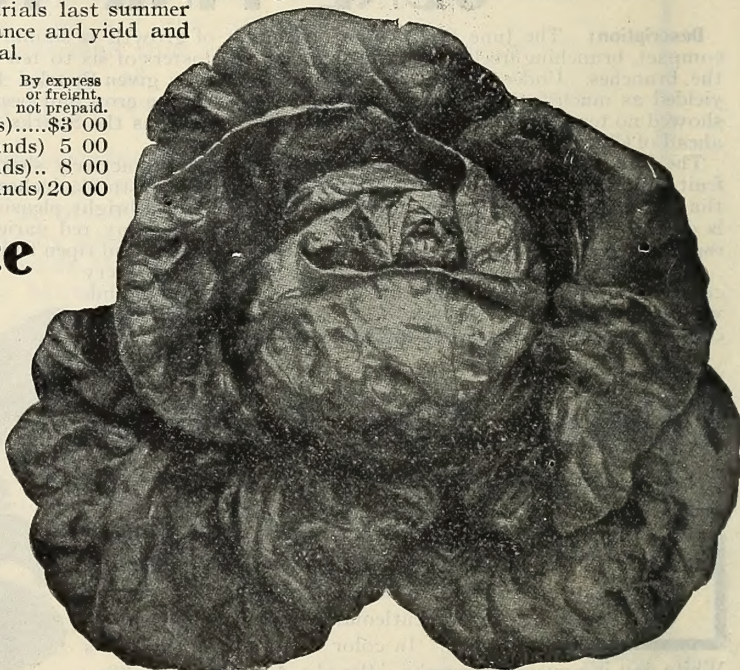
It has a wonderful top growth, very large stalks and leaves and large clusters of blossoms. Tubers very white, well netted skin, which is nature's mark of good quality; oblong in shape and grows very large. We had tubers of this grand potato last year that were smooth and shapely which weighed three pounds. Two of these potatoes would reach across the top of a sugar barrel, end to end. Last year the growers of this potato raised 75 bushels of potatoes from one bushel of seed. In our trials last summer it proved one of the best potatoes in appearance and yield and for cooking quality we have never seen its equal.

	By mail or express, prepaid.	By express or freight, not prepaid.	By express or freight, not prepaid.
1 pound...	\$0 40	\$0 30	Peck (15 pounds).....\$3 00
2 pounds..	75	55	½ Bushel (30 pounds) 5 00
4 " ..	1 40	1 00	Bushel (60 pounds).. 8 00
8 " ..	2 65	1 85	Barrel (165 pounds) 20 00

Cabbage-Lettuce

Dumont

The great value of this Lettuce, which has actually been cultivated in quantities for the markets of Boston and other large places with the greatest success, and of which the most favorable reports have been received from all parts, is its surprisingly rapid development, its size, weight, tenderness, hardness, and the fact that it not only forces well in moderate heat, but develops its large crop of magnificent heads in the open ground about 10 days sooner than any other sort. The head is of globular shape, hard and well closed; the leaves are light green, with delicate ribs and lightly wavy; the interior is of a clear yellow, very tender and of fine flavor. Per pkt. 10c., per ¼ oz. 25c., per oz. 40c., per ¼ lb. \$1.50.

*Cabbage Lettuce Dumont.*

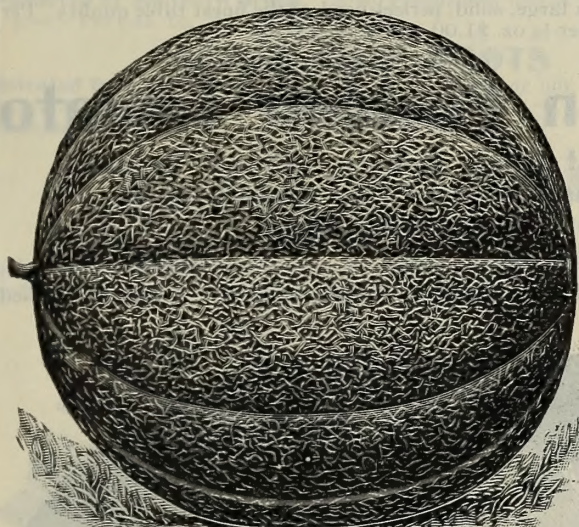
BRUSSELS SPROUTS

S. & W. Co.'s Favorite

The finest selection in existence—produces a most abundant crop of large, solid Sprouts, delicious in flavor, which come to maturity earlier than other sorts. In our trials this past summer, this stock was the best of all the varieties tested. Per pkt. 10c., per ½ oz. 25c., per oz. 40c.

NEW PEA Thomas Laxton

A remarkably fine early wrinkled Pea, and we think destined to supersede "Gradus." In many characteristics it resembles that excellent sort, but the pods differ in shape and are certainly more numerous. Our trials last season on this Pea were most satisfactory; it is not alone early, but the Peas are large, sweet, and have that fine flavor that is so much sought after, but very rarely found in an extra early Pea. Our stock of this Pea is very carefully selected and should be grown in every garden. It grows about 3 feet in height, but does not need brushing. Per ½ pt. 15c., per pt. 25c., per qt. 40c., per pk. \$2.75.



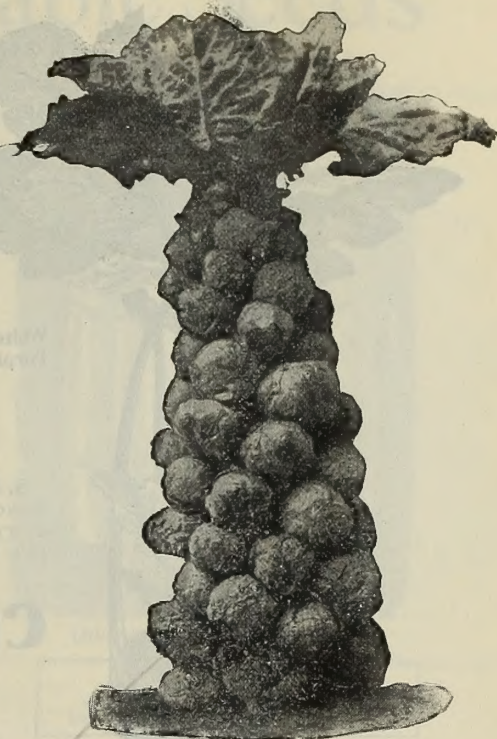
S. & W. Co.'s Selected Stock—Rocky Ford Musk Melon.

S. & W. Co.'s Selected Stock ROCKY FORD MUSK MELON

This is without a doubt the finest of all the Melons, sweet and delicious. This famous variety is the finest early green-fleshed Melon in cultivation.

**Our Stock is
Extra Fine,
Selected Only
from the
Choicest Melons.**

The fruits are remarkably uniform in size, weighing from one and a quarter to one and a half pounds each. They are quite thick meated, with very thin rinds; skin light green, regularly ribbed and heavily netted, turning to a golden yellow as the Melons ripen. Flesh light green in color, firm but melting, of uniformly fine flavor. Per pkt. 10c., per oz. 30c., per ¼ lb. \$1.00.

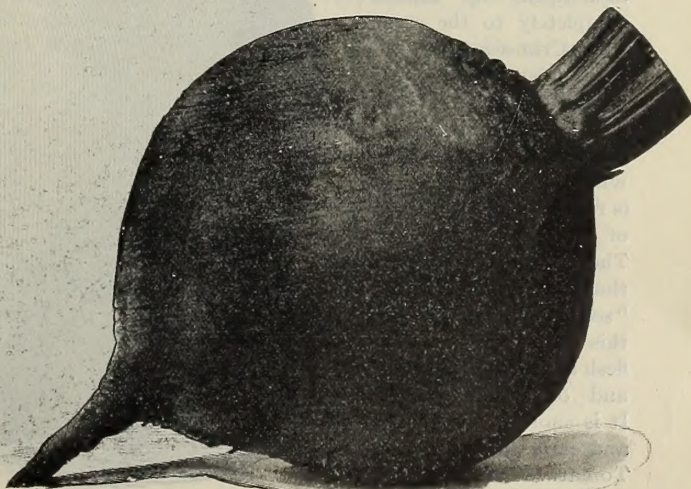


Brussels Sprouts—S. & W. Co.'s Favorite.

DARK-LEAVED GLOBE BEET

Hitherto, the improved selections of turnip-rooted Beet have been wanting in that important essential a dark leaf. The novelty we offer has not only a dark leaf like the best decorative strains, but is equal in the color of the flesh to the Dell's type. These two important features, coupled with its handsome form, place this variety in the front rank of this class of Beet. Per pkt. 10c., per oz. 25c., per ¼ lb. 75c.

**The Dark
Fleshed
Round Beet.**



S. & W. Co.'s Dark-Leaved Globe Beet.



Kohl Rabi "Delicacy."

Kohl Rabi "Delicacy"

This exceedingly valuable new Kohl Rabi cannot fail to please wherever tried. It is an excellent Kohl Rabi for market as well as private gardeners.

It combines the best qualities of the finest varieties known, being round like an apple, with a fine smooth skin; the very few leaves stand erect, which enables the grower to plant closer and facilitates bunching.

The flesh is very tender, and of a very delicate flavor.

It is very hardy and does not have the tendency to run to seed in frosty weather, which is very favorable.

It is equally valuable for forcing as well as outside culture.

White Delicacy.....	per pkt. 10c , per oz. 30c.
Purple "	" 10c., " 30c.

CAULIFLOWER

S. & W. Co.'s Best of All. It is of very dwarf, erect habit, with short outer leaves. Can be planted less than two feet apart each way. It is a **sure header**, every plant forming a large, solid, perfect head, of the finest table quality. Per pkt. 100 seeds 25c., per 1/8 oz. \$1.00, per 1/4 oz. \$1.75.

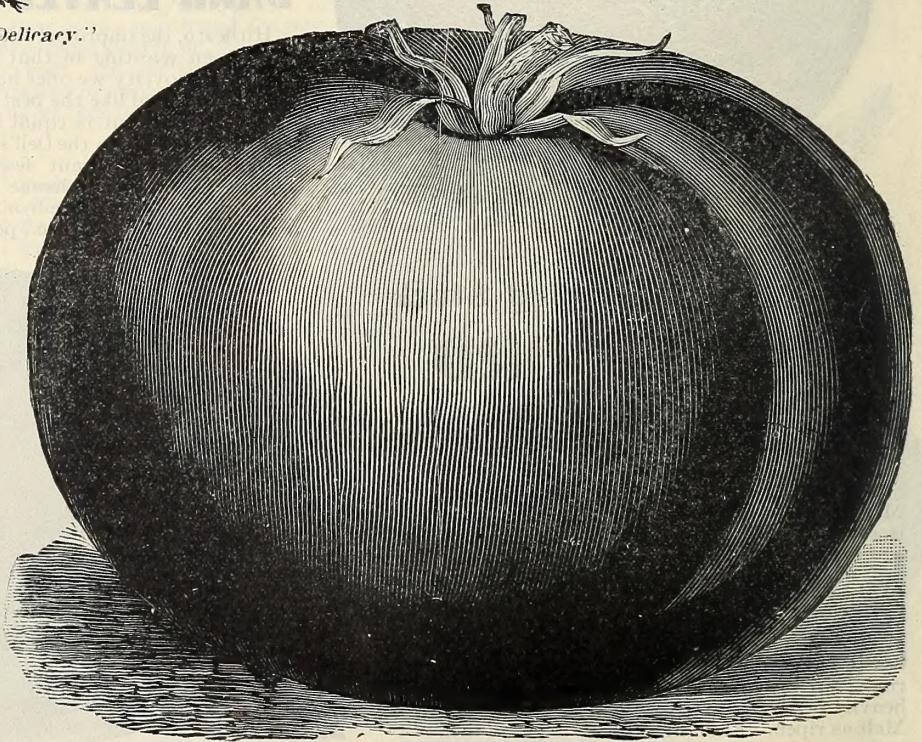
Crimson Cushion Tomato

The Earliest Large Tomato. Almost Seedless.

Solid as Beefsteak. As Smooth as an Apple. Very Large

The "Crimson Cushion" is more symmetrical in shape than the Ponderosa, and is much thicker through from stem to "blossom end;" in fact, so marked

is this characteristic that it is frequently almost round. The color is brilliant scarlet-crimson, untinged with purple, and ripens up almost completely to the stem. The "Crimson Cushion" is almost seedless, requiring from 10 to 12 bushels of ripe fruit to produce 1 pound of seed, whereas a pound of seed is realized from 3 bushels of ordinary Tomatoes. These figures tell better than any description the "seedless" character of this grand variety. The flesh is firm and "meaty," and of superb quality. It is enormously prolific and early for so large a Tomato. Per pkt. 10c., oz. 50c., 1/4 lb. \$1.50.



Crimson Cushion Tomato.

High-Grade Vegetable Seeds

PLEASE NOTICE that the prices herein quoted include delivery on seeds in packets, ounces and pounds. On Peas, Beans and Corn, add 15c. per quart to cover postage.

ASPARAGUS

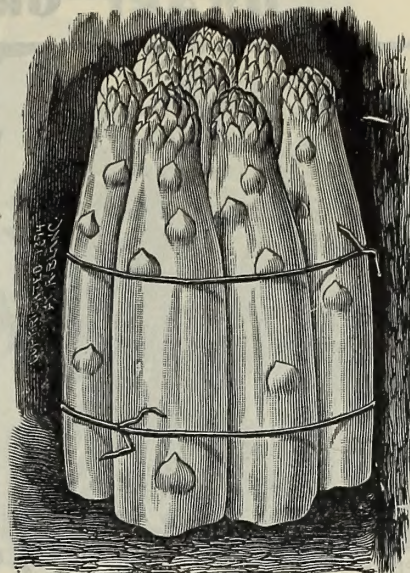
One ounce will plant about 50 feet of drill.

CULTURE.—Sow in November or March in drills two inches deep and fourteen inches apart. After one year the roots will be fit to transplant. The principal points to be attended to in planting are good drainage, trenching the ground three feet in depth, mixing in a heavy portion of rotten manure, also adding a good portion of sea or river sand. Plant out in spring, in beds three or four feet in width, each plant one foot apart. Fork over the surface of the beds in fall, and cover with rotten manure.

- ✓ **Conover's Colossal.** A mammoth green sort of the largest size and of good quality. The best of the old kinds. Per pkt. 5c., oz. 10c., ¼ lb. 15c., lb. 40c.
- ✓ **Columbian Mammoth White.** A sport from Conover's Colossal. It produces pure white shoots and requires no artificial blanching. Per pkt. 5c., oz. 10c., ¼ lb. 20c.
- ✓ **Palmetto of Southern Origin.** A very desirable bright green Asparagus. Per pkt. 5c., oz. 10c., ¼ lb. 20c.

ASPARAGUS ROOTS

Selected Roots, either variety	\$0.75 per 100; \$6.00 per 1000
Extra Selected Roots, either variety	1.50 " 10.00 "
Mammoth " " "	2.00 " 15.00 "



Columbian Mammoth White.

NOTICE

Our packages of Beans contain a full half-pint.

BEANS

One quart will plant 100 feet of drill.

CULTURE.—About the first of May select a warm, dry sheltered spot, dig and manure slightly, make drills two inches deep and eighteen inches apart; place the beans three inches apart in the drills and cover about two inches deep; use the hoe frequently to keep down the weeds. Sow every two weeks for a succession.



Dwarf Bean.

DWARF WAX, PODDED VARIETIES

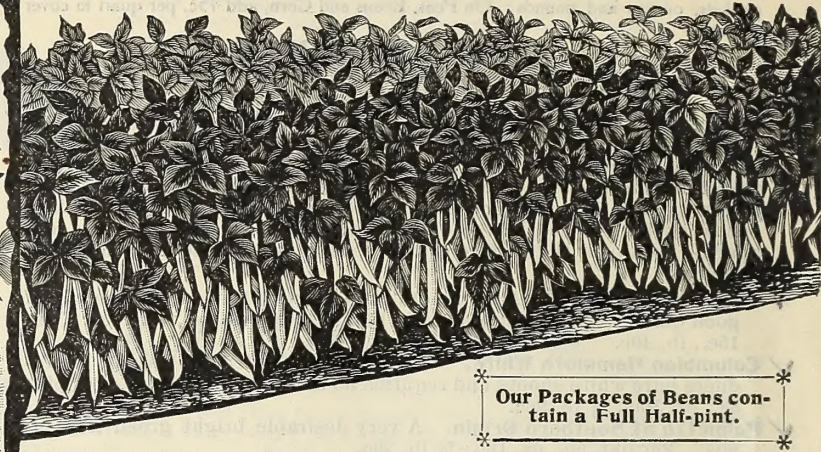
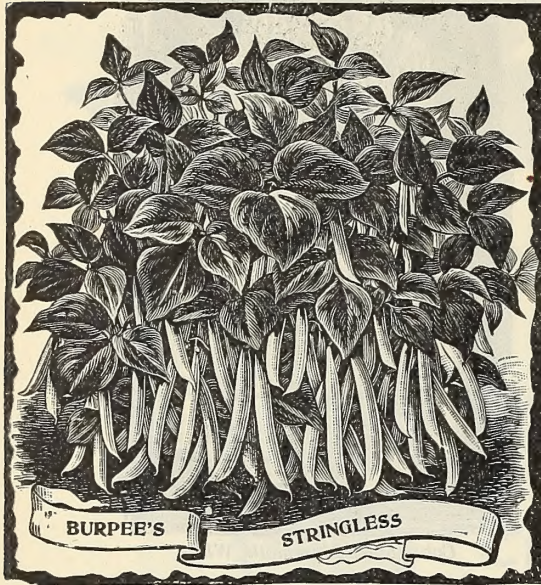
- Improved Black Wax.** Very early and productive. Per pkt. 10c., pt. 15c., qt. 30c., pk. \$1.50.
- Improved Golden Wax.** Very early, round golden pods. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00.
- Refugee Wax.** Earliest of all the wax beans, with long yellow pods; wonderfully productive. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$1.50.
- Wardwell Kidney Wax.** Extra early, long flat purely wax pods. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$2.00.
- White Wax.** Stringless yellow pods, very tender. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75.
- Flageolet Wax.** This is really one of the most valuable varieties for either private or market garden purposes. It is as early as either the Black or Golden Wax sorts, and has a peculiar value in the fact that it is nearly always exempt from rust. The pods are often a foot in length, exceedingly succulent and tender. It is an enormously productive variety. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.
- Jones' Stringless Rust Proof Wax.** This grand absolutely stringless bean is the result of five years' systematic cross-breeding. It will without doubt become one of the most popular of all our Wax varieties now grown, combining points never before obtained in a true stringless wax pod. Per pkt. ¼ pt. 15c., pt. 25c., qt. 40c.
- Yosemite.** Mammoth Wax. The pods frequently attain a length of 10 inches, with the thickness of a man's finger; the pods are of a rich golden color and are absolutely stringless, cooking tender and delicious. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.
- Davis Kidney Wax.** This is the most hardy and productive bush wax podded bean in cultivation. The vine is rustless and very vigorous, bearing near the center many clusters, some of which extend above the foliage. The dry beans are kidney-shaped, clear white, and excellent for baking. Per pkt. 10c., pt. 20c., qt. 30c.
- Valentine Wax.** It is handsome in appearance, and while it is fair to say that we have not yet seen it exposed to conditions conducive to the development of rust, yet we think it will prove to be almost rustless. Per pkt. 10c., pt. 20c., qt. 30c.

ENGLISH OR BROAD

One quart will plant 100 feet of drill.

- Early Mazagan.** Very early, hardy and bears freely. Per pkt. 10c., qt. 25c.
- Broad Windsor.** The largest variety grown; very tender and delicious. Per pkt. 10c., pt. 20c., qt. 40c.

DWARF GREEN PODDED BEANS



Our Packages of Beans contain a Full Half-pint.

Burpee's Stringless. The only stringless green pod bush bean in cultivation, consequently it surpasses all others in crisp, tender flavor. The finely shaped, long green pods are absolutely stringless; and when we add that the pods are ready to market two weeks earlier than the best stock of improved Extra Early Red Valentine, we are sure that Stringless Green Pod will supply a long-felt want. Pkt. 10c., pt. 20c., qt. 30c., pk. \$1.50.

Dwarf Horticultural. Late and productive. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.50.

Refugee. Medium to late, very productive and tender, and largely grown for main crop; round pods. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

Black Valentine. This variety possesses all the good qualities of the old favorite Red Valentine, besides other points making it very valuable. Per pkt. 10c.

Early Mohawk. Very early and very productive. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.00.

Early Long Yellow Six Weeks. Very early, flat pods. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

Improved Red Valentine. Round green pods, early and tender. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$1.25.

Refugee Extra Early. This sort has the qualities of the famous late variety of the same name, but is considerably earlier in podding. Per pkt. 10c., pt. 20c., qt. 25c., pk. \$1.25.

Large White Kidney. Excellent as a shell bean. Per pkt. 10c., pt. 15c., qt. 25c., pk. \$1.00, bush. \$3.50.

Longfellow. Long, straight, round, solid green pods; early. Per ½ pt. 10c., pt. 20c., qt. 35c.

Bountiful. Extra early, very prolific and long bearing, flat, green pods, tender and stringless. Per ½ pt. 10c., pt. 20c., qt. 35c.

Best of All. An extra good sort. Per ½ pt. 10c., pt. 15c., qt. 25c.

Giant Stringless Green Pod. Improved stringless variety. Per ½ pt. 15c., pt. 25c., qt. 40c.

Emperor William. For forcing. Per ½ pt. 15c., pt. 25c., qt. 40c.

Ne Plus Ultra. For forcing. Per ½ pt. 15c., pt. 25c., qt. 40c.

French Yard Long. Per ½ pt. 25c.

POLE, OR RUNNING BEANS

One quart will plant 100 hills.

Old Homestead. Enormously productive, the pods hanging in great clusters from top to bottom of the pole. It is entirely stringless, and the pods are a silvery-green color. Per pkt. 10c., pt. 25c., qt. 35c.

Golden Champion. This is certain to be the leading Early Wax Pole Bean, as it is fully two weeks earlier than the Golden Cluster Wax Pole. Per pkt. 10c., pt. 25c., qt. 40c.

Lazy Wife's. The very best late green podded Pole Bean. The pods are of a medium dark green color, broad, thick, very fleshy, and entirely stringless. Per pkt. 10c., pt. 25c., qt. 35c., pk. \$2.25.

Horticultural, or Speckled Cranberry. Pods are tender and of fine quality. Per pkt. 10c., pt. 20c., qt. 30c.

Scarlet Runner. Bright scarlet flowers. Used both as a string and shelled bean. Per pkt. 10c., pt. 20c., qt. 30c., pk. \$1.75.

White Dutch Runner. Per pkt. 10c., pt. 20c., qt. 30c.

LIMA BEANS (Pole)

Lima Challenger. Early and very productive. Quality the best. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.

Lima. Early Jersey. Medium early, very productive. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Lima. King of the Garden. The pods are very long, and the green beans are extra large. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.

Lima. Large White. Large, greenish-white beans, of finest flavor, shelled green, and also good dried for winter use. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.

Lima. Ford's Mammoth. Without exception the largest podded, finest flavored and most productive of all Lima beans. Per ½ pt. 15c., pt. 25c., qt. 45c.

BUSH LIMA BEANS

One quart will plant 100 feet of drill.

Plant in light, rich soil, in drills two feet apart, dropping the seeds about one foot apart in a row, and cover two inches.

Henderson's Bush Lima. Early and very productive. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Burpee's Bush Lima. A bush form of the large Pole Lima, the beans being large and flat like those of that variety. Very productive and of excellent quality. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.25.

Dreer's Bush Lima. The bush form of Dreer's Improved Lima, the beans growing close together in the pods. Per pkt. 10c., pt. 20c., qt. 35c., pk. \$2.00.



BEET

One ounce will sow 100 feet of drill. **CULTURE.**—Sow as soon as the ground is free from frost and dry, in the spring, in drills two inches deep and eighteen inches apart; thin out to six inches. For family use in winter, sow in July or August.

Crimson Globe. For description and cut see page 3.
Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c.

Detroit Dark Red Turnip Beet. Extended experience has shown this variety to be the best deep red turnip beet, not only for market gardeners, but for the home garden. Its small upright growing tops, early maturing, and the splendid shape and the color of the roots, make it popular with every one who plants it. Tops, small, upright growing, so that the rows may be close together; leaf stems and vines dark red, blade green; roots, globular or ovoid, peculiarly smooth; color of skin dark blood-red; flesh, bright red, zoned with a lighter shade, very crisp, tender and sweet, and remaining so for a long time. We believe that the stock of this variety which we offer will produce a crop more uniform in shape, color and quality than any other beet seed obtainable. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Crosby's Egyptian Beet. An excellent first early variety—it produces roots of marketable size in shorter time than any other sort. This feature alone places it at the head of the list for growing in cold frames or greenhouses. In selecting this variety, we aim to keep it as uniform in shape and as dark in color as is possible without retarding its earliness. We also use great care to have its tops small, yet plenty large enough to bunch easily. After repeated comparative trials, we know that our type of Crosby's Egyptian Beet more nearly fills every requirement for the market gardener's use than any other stock. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. 75c.

Extra Early Egyptian. Earliest of all the round sorts. Deep blood color. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Edmand's Blood Turnip. Very regular in shape; deep blood-red color and exceedingly sweet. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Bassano. Early, flat, of very light color. Sweetest of all the turnip varieties. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Eclipse. Almost as early as the Egyptian, but of much finer quality. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Bastians Blood Turnip. Dark red; standard market garden sort. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Half-Long Blood Beet. The top is medium in size and of a very rich glossy crimson. The bulb is three inches in diameter at shoulder, tapering in pear-shaped form to the slender root, and is entirely free from roughness. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

SUGAR BEETS AND MANGELS

Use four to six lbs. of seed to an acre. Plant in drills about two feet apart each way; the seed should be dropped about two inches apart in drills; thin out plants to twelve inches apart.

Mammoth Long Red. Largest and most profitable variety grown for agricultural purposes. Per $\frac{1}{4}$ lb. 15c., lb. 35c.

Champion Yellow Globe. Adapted for growing in shallow soils. Per $\frac{1}{4}$ lb. 15c., lb. 35c.

Red Globe. Similar to the Yellow Globe. Per $\frac{1}{4}$ lb. 15c., lb. 35c.

White Sugar. Useful for making sugar. Per $\frac{1}{4}$ lb. 15c., lb. 25c.

Klein Wanzleben. Improved Sugar Beet. Per $\frac{1}{4}$ lb. 15c., lb. 35c.

BRUSSELS SPROUTS

One ounce will produce about 3000 plants.

CULTURE.—Sow in May, in shallow drills, one inch deep and twelve inches apart. Transplant in July. When the crown or top sprout is beginning to head, pinch it out, to admit of the whole strength being thrown into the side shoots. Very hardy. This is a delicious vegetable and should find a place in every garden; greatly improved by hard frosts.

Improved Dwarf. Compact heads of best quality. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Hercules. New semi-dwarf, thickly covered with sprouts by the end of September; excellent. Per pkt. 10c., $\frac{1}{4}$ oz. 20c., oz. 35c.



Brussels Sprouts.

CABBAGE

One ounce will produce about 3000 plants.

CULTURE.—Sow the early kinds in September, in shallow drills, six or eight inches apart. When large enough to handle transplant into a cold frame. Sow also in hotbeds in February and March, and in the open ground in April and May. The late varieties for fall and winter use sow in May, and transplant from the 8th to the 25th of July. Plant the early sorts twenty inches distant in a row and two feet between the rows; the latter sorts, two and a half feet each way. To be well grown, cabbages require a deep, rich loamy soil.

Our cabbage seed is especially grown for us on Long Island, and we offer it as being of superior quality.

The Houser. A new and entirely distinct round late cabbage; the largest, hardest-heading, fine-grained cabbage known. Per pkt. 10c., oz. 60c., $\frac{1}{4}$ lb. \$2.00.

Early Spring. A new extra early cabbage, with a round, flat head, coming in with the Early Jersey Wakefield, and yielding one-third more on the same space of ground than any other extra early. Per pkt. 15c., oz. 50c., $\frac{1}{4}$ lb. \$1.50.

Improved Early Jersey Wakefield. The finest early variety grown; conical in shape; medium-sized heads; very solid and of superior quality. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c.

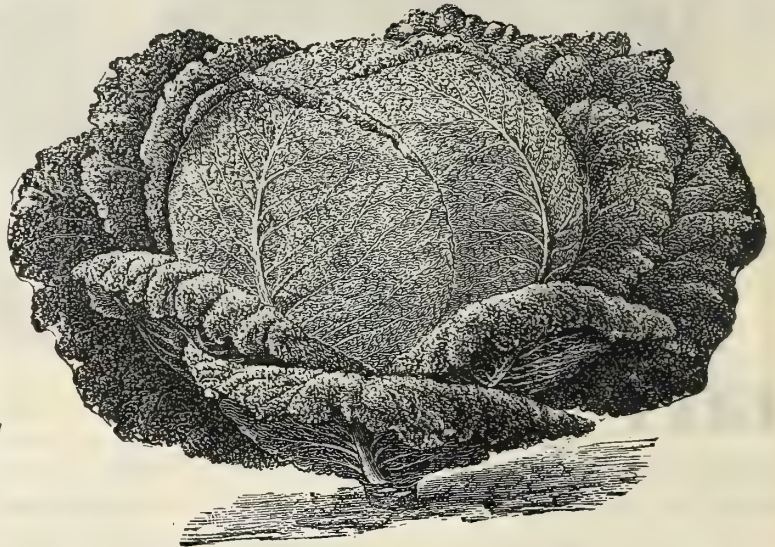
The Charleston, or Large Type of Wakefield. A variety having all the characteristics of the Early Jersey Wakefield, but of a greater size, and is but a few days later. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c.

Early Winnigstadt. Standard second early variety. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c.

Early Flat Dutch. A valuable early market variety; heads weighing about 10 lbs. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Early Summer. A superior second early variety; produces solid heads of fine quality. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Holland, or Danish Ballhead. Its principal value lies in its hard heading qualities, which make it positively the best shipper of any on the market. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.



Cabbage, American Drumhead Savoy.

Henderson's Succession. Very similar to the preceding variety. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Autumn King. We believe this to be one of the finest strains of late cabbage ever offered. It produces regular, even heads of enormous size; a magnificent crop-per. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c.

American Drumhead Savoy. None of the late-growing varieties can begin to equal in flavor this sort for family use; heads large, solid and a splendid keeper. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.25.

Early Dwarf Ulm Savoy. A very early and superior dwarf variety of fine quality. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c.

Large Late Drumhead. Very large, solid heads; standard variety for winter use. Pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Large Late Flat Dutch. Without exception, the best variety in cultivation for winter use; produces immense heads of the finest quality; splendid keeper. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Mammoth Rock Red Cabbage. This is by far the best, largest and surest heading red cabbage ever introduced. The plant is large, with numerous spreading leaves. The head is large, round, very solid, and of a deep red color. The best cabbage on the market. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c.

Red Dutch. Used almost exclusively for pickling. It is one of the hardiest of all cabbages, and when preserved will keep later in the season than any of them. It is slow to mature, however, and requires a rich soil for its perfect development. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.



Cabbage, Holland or Danish Ballhead.



S. & W. Co's. Best of All.

CAULIFLOWER

One ounce will produce about 3000 plants. **CULTURE**—Sow the first week in May and prick out on a rich piece of ground; transplant in July. For wintering under glass sow in the second and last weeks in September; transplant thickly into a cold pit or frame; give plenty of air in mild weather, and cover up well in very severe. Again sow in February in a hotbed and transplant in April. For cauliflower the ground should be well prepared by trenching, incorporating at the same time a good share of rotten manure. Select new ground, if possible, as cauliflower rarely succeeds on ground which has been cropped year after year with other kinds of vegetables. Plant in rows twenty inches apart and two feet between the rows.

S. & W. Co's Best of All, Earliest of All, Easiest Grown, Surest Header. It is of very dwarf, erect habit, with short outer leaves. Can be planted less than two feet apart each way. It is a **sure header**, every plant forming a large, solid, perfect head, of the finest table quality. Per pkt. 100 seeds 25c., per 1000 seeds \$2.00.

Selected Extra Early Dwarf Erfurt. Per pkt. 25c., $\frac{1}{4}$ oz. \$1.75, $\frac{1}{2}$ oz. \$3.00, oz. \$5.50.

Early Dwarf Erfurt. Per pkt. 15c., $\frac{1}{4}$ oz. \$1.00, $\frac{1}{2}$ oz. \$1.75, oz. \$3.00.

Early Paris. An old and favorite sort, excellent for family use. Per pkt. 10c., oz. 75c., $\frac{1}{4}$ lb. \$2.00.

Selected Early Snowball. One of the best for general use; medium size, but sure to head. Per pkt. 25c., $\frac{1}{4}$ oz. \$1.50, oz. \$4.50.

Veitch's Autumn Giant. Per pkt. 10c., oz. \$2.00.

CRESS, OR PEPPER GRASS

One ounce will sow 150 feet of drill.

CULTURE.—This popular salad should be sown early in the spring. Sow at short intervals for succession, as it soon runs to seed.

Curled, or Pepper Grass. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 40c.

True Erfurt Water Cress. Per pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00.



Water Cress.

CHERVIL

One ounce will sow 100 feet of drill.

CULTURE.—The curled chervil is cultivated like parsley and used for garnishing and flavoring soups and salads.

Moss Curled Extra. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Turnip Rooted. Per pkt. 10c., oz. 25c.

CHICORY

Chicory is used chiefly for its roots, which are dried and used as a substitute for coffee. Cultivate the same as carrots.

Witloof. Valuable as a salad as well as a vegetable. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Wild (Barbe de Capucin). Per pkt. 10c., oz. 30c.

Giant Silesian. Per pkt. 5c., oz. 10c.

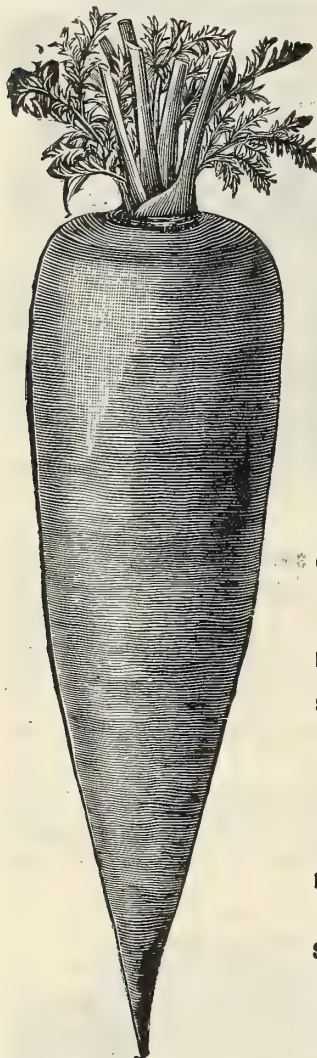


Chicory, Witloof.

CARROT

One ounce will sow 100 feet of drill.

CULTURE.—To produce the finest crop, the land should be thoroughly manured the previous season; forked roots will result if the seed is sown on freshly manured soil. Sow the early sorts in March and April, in drills one inch deep and fourteen inches apart; thin out to six inches. For main crop sow in May or the beginning of June.



James' Intermediate.

James' Intermediate. This is certainly the best main crop carrot. It is one of the most uniform in shape that we know, and where the soil is favorable it will always grow clean and free from side roots. The core is small and very tender, and there is no indication of woody character at any stage of its growth. It is also entirely free from any coarse, rank flavor so common with many sorts. For private purposes it is ideal, and its yielding capacity is enormous, which, with its handsome color and fine appearance, makes it invaluable to truckers. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



Carrot, French Forcing.

Early French Forcing. The earliest variety and the one largely grown for forcing purposes. It makes a small, almost globe-shaped root of an orange-red color. (See *cut.*) Per pkt. 5c., oz. 15c., $\frac{1}{2}$ lb. 40c., lb. \$1.20.

Chantenay Half-Long Scarlet. A stump-rooted variety, somewhat resembling the well-known Half-Long Red, stump-rooted Carrot, but having a larger shoulder and being much more productive. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Danvers (Half-Long). Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 80c.

Selected Danvers. A handsome, cylindrical-shaped Carrot of good size and stump-rooted. It is of a rich, dark orange color, grows to large size, is a smooth, and has little core. It is a first-class Carrot for all soils, yields a greater weight per acre than any other variety, and is more easily harvested than the old long varieties. This selected stock we are now offering has been specially grown for market gardeners and is sure to give satisfaction. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Long Orange Improved. One of the most desirable for either garden or field culture. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 80c.

Selected Long Orange Improved. One of the most desirable for either garden or field culture. It grows to a large size, fair specimens averaging twelve inches in length, and three inches diameter at the top. All who have cattle should raise a surplus of this Carrot for feeding milch cows during winter. It increases the flow of milk and imparts to the butter a delicious flavor, and a rich golden color. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Oxheart, or Guerande. A French variety of recent introduction and a decided acquisition. It is intermediate between Half-Long and Horn varieties and perfectly distinct. The shape is nearly oval and the color and quality all that can be desired. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Early Scarlet Horn. Favorite for early crop, but not large. Sold largely in New York markets, bunched. It matures eight to ten days earlier than the Long Orange, and is sometimes used for forcing. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 90c.

Early Half-Long Scarlet Nantes. The skin is smooth, flesh red, and without any core or heart. It is excellent for forcing, and for fine quality and perfect shape can hardly be surpassed. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



Oxheart, or Guerande.

CELERY

One ounce will produce about 5000 plants.

CULTURE.—Sow the seed (which is slow to germinate) in shallow boxes, or in a finely prepared seed bed out-of-doors, in straight rows, so that the small plants may be kept free from weeds.

See to it that the seed bed is kept moist, almost wet, until the seeds germinate, as plenty of moisture is essential to get a satisfactory growth. When about two inches high thin out and transplant so that they may stand two inches apart, and when the plants are four inches high cut off the tops, which will cause them to grow stocky.

The crop is usually made to succeed some earlier crop, and if good plants are used they may be set out as late as the middle of August; but the best results are usually obtained from setting about the middle of June or the first of July. In setting, prepare broad, shallow trenches about six inches deep and four feet apart, in which the plants should be set six inches apart, cutting off the outer leaves and *pressing the soil firmly about the roots*. When the plants are nearly full-grown they should be "handled," which is done by one man gathering the leaves together, while a second draws the earth about the plant to one-third its height, taking care that none of the earth falls between the leaves, as it would be likely to cause them to rust or rot. After a few days draw more earth about them, and repeat the process every few days until only the tops of the leaves are visible, or the leaves may be pressed together by two wide boards held firmly a few inches apart by cross-ties and stakes, when in a few days more they will be fit for use. Care should be taken that the plants are not disturbed while they or the ground are wet, as it would be sure to injure them. A part of the crop may be simply "handled," and then at the approach of severe freezing weather taken up and set out compactly in a dark cellar or an unused cold frame, which can be kept just above the freezing point, and it will then gradually blanch so that it may be used throughout the winter. Should the plants begin to wilt, water the roots without wetting the stocks or leaves, and they will revive again.

Kalamazoo. Large ribbed. A good, half-dwarf, white solid celery. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. \$1.50.

Perfection Heartwell. The finest and largest of the winter sorts, either for the family or market garden. The heart is golden yellow, and its crisp tenderness and delicious flavor are unequaled. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Golden Self-Blanching. A self-blanching variety of the White Plume order, but much superior for either family or market gardeners' use; it is of a rich golden yellow color and is the earliest variety grown. Per pkt. 5c., oz. 40c., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Improved White Plume. An early and ornamental variety. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Giant Pascal. This splendid variety possesses an exceptionally rich nutty flavor without being stringy. The stalks are thick, solid and crisp; golden yellow heart. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Boston Market. Dwarf, branching habit; solid, crisp; a favorite variety. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Golden Heart. A highly recommended variety. Full golden heart, and an excellent keeper. Per pkt. 5c., oz. 20c.

Schumacher. Immense size; solid and crisp, firm golden heart; a fine keeper. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c.

White Walnut. A half-dwarf white variety, having uncommonly large and solid leaf stalks of fine walnut flavor. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Crawford Half-Dwarf. Vigorous growth and excellent flavor. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Pink Plume. The same as White Plume, except the stalks are tinged with pink. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Claywood Park Prize. The best red celery. Per pkt. 10c., oz. 25c.

CELERIAC, or Turnip-Rooted Celery

CULTURE.—A variety of celery with turnip-shaped roots, which are white-fleshed, tender and possess the flavor of celery stalks. Sow the seed in the open ground in April, and treat the young plants the same way as celery.

Large Smooth Prague. Very large and fine; roots of superior quality. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Erfurt Giant. Very large and smooth root. Per pkt. 5c., oz. 20c.



Large Smooth Prague Celeriac.

SUGAR CORN

One quart will plant 200 hills.

CULTURE.—Plant for succession of crops every three weeks, from April to July, in hills three feet apart each way, and six seeds in a hill; cover about half an inch; thin out to three plants.

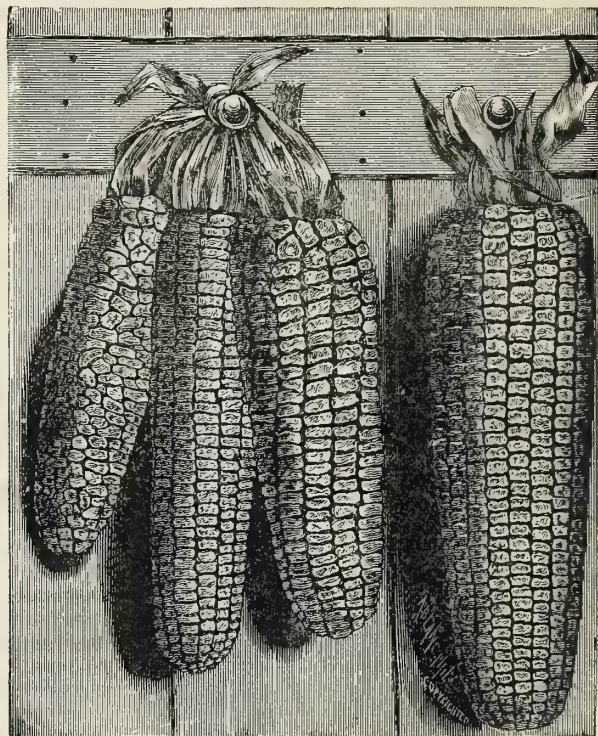
EXTRA EARLY VARIETIES

✓ **Metropolitan.** It is safe to say that there has never been on the market any one variety of Corn that combined the essential features of earliness and good flavor in a satisfactory degree. In these important characteristics, "**Metropolitan**" certainly outclasses any other variety. It is only two days later than Cory, which, until now, has been the earliest sort. The plant is distinct, being very strong in stalk, growing $5\frac{1}{2}$ feet in height. The ears are all set low, not over $1\frac{1}{2}$ feet from the ground, producing from two to three to the plant. They are uniformly 9 inches long, 10 to 12 rowed, well filled to the tip with large deep grains, which are very tender. It is not merely sweet, but possesses in a remarkable degree that exquisite richness so well known in the larger and later sorts. Per $\frac{1}{2}$ pt. 10c., pt. 20c., qt. 40c., pk. \$1.50.

✓ **Cory Early.** (Red Cob.) The Cory is undoubtedly the earliest of all, and the very best extra early Sweet Corn. Those desiring a first early variety can make no mistake in planting the Cory. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

✓ **"White Cob" Cory.** An extremely early variety, usually fit to use in from fifty to sixty days from seed sowing. A sport or selection from the famous "Red Cob Cory," which for years held popular favor as the best first early. "White Cob" Cory retains all of the qualities of its parent, with the added merits of having a white cob and white kernels. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

✓ **Minnesota.** One of the earliest; ears small, but of fine quality. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.



✓ **Perry's Hybrid.** Very early; ears of large size; valuable for market purposes. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

✓ **Extra Early Evergreen.** Ten days earlier than the standard variety. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

MEDIUM EARLY VARIETIES

✓ **Stowell's Evergreen.** Now recognized everywhere as a standard variety, both for home use and market, and is the general favorite. The ears are of a large size, grains deep, exceptionally tender and sugary, and has the advantage of remaining longer in the green state than any other. Our stock has been carefully grown and selected to avoid the tendency to a shorter grain and deterioration in the evergreen character of this best of all medium sorts. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

✓ **Crosby's Early Sugar.** Standard early sort; ears good size; fine quality. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

✓ **Early Mammoth.** Very large and tender; similar to the Standard Mammoth variety, but much earlier. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

LATE VARIETIES

✓ **Black Mexican.** Very sweet and of fine flavor; grains black. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

✓ **Late Mammoth.** Immense ears and very sweet. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

✓ **Country Gentleman.** The Country Gentleman Corn retains its delicate tenderness and flavor even when a little old, as the ears are enclosed in a heavy husk, which tends to keep the ear "in the milk" for several days longer than other corns. The cob is unusually small and the pearly white kernels of great depth. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., pk. \$1.25.

CORN SALAD

One ounce will sow 150 feet of drill.

CULTURE—Sow early in the spring, in drills, one inch deep and ten inches apart. For main crop sow in August and September.

Large-Seeded. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

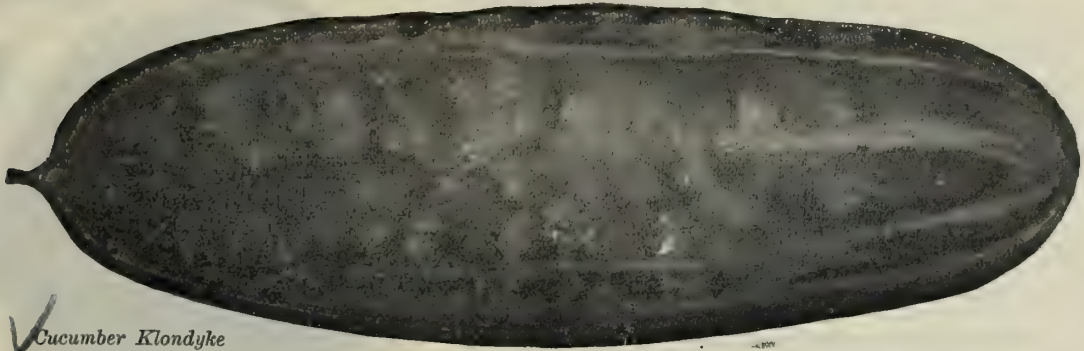


Corn,
Mammoth and Marblehead

CUCUMBER

or small paper pots can be used. Such plantings are usually ready for transplanting to the open ground in from three to four weeks, and are seldom troubled with the striped bug. Transplanting, when practical, should be done in the evening, into hills four feet apart each way. Thin out to about four plants to a hill when established. The seed may be planted in hills late in May, thus giving a succession. For pickles, plant during the last two weeks of June. Plaster dust, or an infusion of hellebore powder in water will destroy the striped bug. *One ounce will plant about 50 hills.*

CULTURAL DIRECTIONS.—The first planting should be made early in May on partly spent hot-beds; inverted sods form an excellent medium for both planting on and carrying the young plants to their permanent location,



✓ *Cucumber Klondyke*

We call your attention to Klondyke Cucumber, of which the above is a photograph. This one had been picked three weeks when the photograph was taken, as you will note by the shriveled condition of the stem. It is the result of a number of years of careful selection and is about a week earlier than the Arlington White Spine and is less tapering at the ends than the Arlington. It continues long in yield after the other varieties have become exhausted. Price, per pkt. 10c., per $\frac{1}{2}$ oz. 15c., per oz. 25c., per $\frac{1}{4}$ lb. 75c., per lb. \$2.50.

✓ **Emerald Cucumber.** The Emerald Cucumber is a remarkable new sort, possessing that rich, dark green color which has been so long desired. As a slicer the flesh is particularly crisp and tender and the flavor most pleasing. The young fruit being dark green, straight and tender, makes an excellent pickle. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.

✓ **Fordhook Pickling.** This distinct Cucumber is wonderfully prolific, and might be termed a continuous bearer. Planted at the same time with the other Cucumbers, the Fordhook Pickling will continue to bear pickles plentifully after the other varieties have ripened their fruit and ceased to produce more. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c.

✓ **Cool and Crisp.** An excellent pickling or slicing cucumber of good size and exceedingly tender and crisp. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c.

✓ **White Wonder.** The best white sort; it ripens early and is very productive. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c.

✓ **Early Green Cluster.** Fruit small; very prolific. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c.

✓ **Improved Early White Spine.** Standard market variety of medium size, deep green, flesh crisp and of good flavor. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c.

✓ **Extra Long White Spine.** A beautiful, large and well-shaped Cucumber, slightly longer in maturing than the above. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c.

✓ **Arlington.** A fine strain of the Improved White Spine. It is fine either for forcing or for outdoors. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c.

✓ **Extra Long Green.** Very long, most excellent quality, and one of the best for family use. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c.

✓ **New Everbearing.** Small sized; very early and enormously productive. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 50c.

✓ **Green Prolific.** The best variety for pickling; deep rich green, very productive and of uniform small size. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 75c.

✓ **Japanese Climbing Cucumber.** Well adapted for pickling as well as for slicing for salads. The great advantage lies in the fact that it can be trained on a pole or fence. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.



*Rollison's
Telegraph
Cucumber*

ENGLISH FRAME, OR FORCING VARIETIES

CULTURE.—This favorite fruit may be grown any season of the year in a house or frame where a temperature of 75 degrees can be obtained. Sow in pots of light soil, and pot off when the third leaf appears. The soil should be prepared and placed in the house or frame several days before it is required. Plant out when the third rough leaf is developed; keep a moist warm temperature. Allow them to make several joints, when they should be stopped to make them branch, then pinch out the shoot where the fruit appears; keep them thin and trained regularly; supply with plenty of water, which should not be colder than the temperature of the place; keep adding fresh soil as the roots appear above the surface, which they do freely when the plants are thriving and healthy. The soil should be light turf, well rotted, and leaf-mold without sand, enriched with manure, and should not be shifted.

- ✓ **Lord Kenyon's Favorite.** Per pkt. 25c.
- ✓ **Royal Osborne.** Per pkt. 25c.
- ✓ **Carter's Model.** Per pkt. 25c.

✓ **Rollison's Telegraph.** Free bearing; average length of 20 inches; for summer or winter use; one of the finest sorts. Per pkt. 25c.

DANDELION

One ounce will sow about 100 feet of drill.

CULTURE.—Sow in May, in drills 10 inches apart; thin out to three inches apart; cultivate during the season and in the following spring the plants will be fit for use.

French Garden. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c.

EGG PLANT

One ounce will produce about 1000 plants.

CULTURE.—Sow in a hot-bed in February and March; when the plants are one and two inches high, transplant or thin out to two or three inches apart. When the weather is warm and settled, they may be planted out in a warm situation two feet apart each way.

New York Improved Spineless. Extensively cultivated for both market and family use; it grows to a large size; very prolific and fine flavored. Per pkt. 5c., oz. 35c., $\frac{1}{4}$ lb. \$1.00.

Black Pekin. Produces very handsome jet black fruit of superior quality. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

ENDIVE

One ounce will sow 200 feet of drill.

CULTURE.—One of the most attractive of all autumn and winter salads. It is commonly known in restaurants as Chicorée, and is especially refreshing when served with lettuce with plain French dressing. Sow seed from middle of June till last of August. When the plants are fully grown, tie all the outside leaves together over the heart to blanch the inner leaves, which will take about a week. Do not tie up when the leaves are wet, as they will then decay.

Green Curled. Very ornamental curled dark green leaves, which blanch white and crisp. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Broad-Leaved (Escarolle). Produces heads of broad thick leaves; blanches easily. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

White Curled. For early use. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c.



New York Improved Egg Plant.

HORSE-RADISH ROOTS

Strong roots. Per dozen, 15c., 100, 75c.

KALE

One ounce will produce about 300 plants.

CULTURE.—Sow in May in shallow drills, 10 or 12 inches apart; when large enough transplant singly in rows 24 inches apart each way.

Dwarf Green Curled Scotch. Very dwarf and spreading, one of the best. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

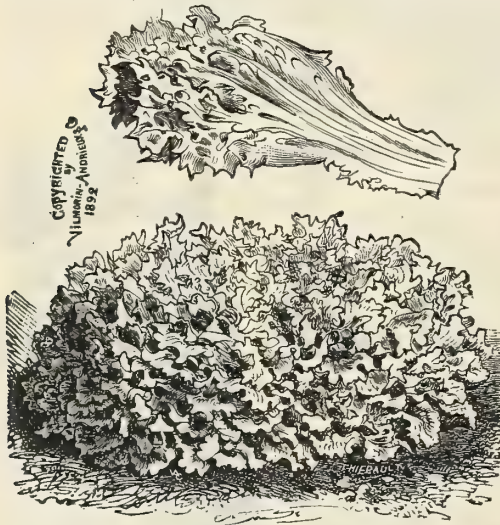
Siberian Kale or Sprouts. Should be sown in September and treated like spinach; it is fit to cut early in spring. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Dwarf Brown Kale. A beautiful curled variety, with spreading foliage, very hardy and of fine flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

GARLIC

One pound will plant 200 feet of drill.

CULTURE.—Garlic is used for a variety of flavoring purposes. Plant the sets six inches apart in rows one foot apart. As soon as the leaves have turned, the crop is matured, and may be harvested like the onion. **GARLIC SETS**, per lb. 30c.



Endive, Broad-Leaved.

KOHL-RABI

One ounce will produce about 200 feet of drill.

CULTURE.—This is a very delicious vegetable, and is increasing in popularity rapidly; combines the good qualities of the turnip and cabbage, but excels both in nutritive and productive qualities. Cook the same as turnips; they will be found very tender and palatable. Sow in spring in rows of 18 inches apart, afterwards thin away the plants to eight inches.

Early White Vienna. The earliest and best for either market or family use. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Early Purple Vienna. Similar to the preceding, except in color, which is of a bluish purple. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Earliest Selected (for frames). A variety with few and small leaves; can be planted very closely; very useful for general culture and indispensable for forcing. Per pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.25.



Kale, Dwarf Green Curled Scotch.

LETTUCE

One ounce will sow 150 feet of drill.

CULTURE.—Sow early in spring in a hotbed; transplant in April for summer use. Again, sow from April at intervals in the open ground, and for winter and spring use, in August and September. Protect by means of a cold frame during winter. When sown for cutting, the seed may be put in rather thick, in rows or broadcast: but to have finer heads, it should be sown thinly in rows, and transplanted a foot apart into rich soil.



Curled Simpson Lettuce.

apple green, while on the inside the color is yellowish white. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Blonde Blockhead, or Sunset. This is a large-growing head lettuce, resisting the heat for a long time before running to seed. The heads are large, solid and crisp, of a golden-yellow color. Per Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Hubbard Market. A large white cabbage variety, valuable for forcing or the open ground. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Curled Simpson. An old standard variety, very early and tender. Per Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Black-Seeded Simpson. Nearly double the size of the ordinary Curled Simpson; stands the summer well. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Denver Market. The heads are large, solid, light green, beautifully curled like a Savoy cabbage, very crisp and tender. The heads are a little after the style of the Hanson, but more oblong. Delicate, tender and very superior. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Salamander Perfected An excellent summer variety, forming large-sized heads that stand the heat without injury longer than any other sort. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Big Boston. A most desirable variety for forcing in cold frames or open-ground planting. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.



White Paris Cos Lettuce.

Golden Queen. One of the best first early head lettuces for either open ground or frame culture and a good forcer; medium-sized, solid golden-yellow heads, crisp and tender. Per pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Immensity. The largest head lettuce, best for late summer and fall use. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 90c., lb. \$3.00.

American Gathering. Twisted and curled leaves; fine for early or late sowing. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Improved Deacon. Large, solid summer cabbage; variegated. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Hanson Improved. Very large and solid; withstands the hot sun well. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.35.

Dumont. For description see novelties. Pkt. 10c., $\frac{1}{4}$ oz. 25c., oz. 40c., $\frac{1}{4}$ lb. \$1.50.

New York. This variety blanches itself naturally, is crisp, tender, and of excellent flavor, and always free from bitterness. The outside color is distinct, being a clear, deep



Big Boston Lettuce.

Boston Market. Solid, crisp and compact; one of the best for forcing. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Mammoth Black-Seeded Butter Lettuce. A large head lettuce of splendid quality; much lighter in color than the Big Boston. For early or late crop it has no equal; splendid market sort. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Golden Stone Head. Produces heads of medium size, of the best quality; as a forcing variety it is unequaled. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Grand Rapids Forcing. Large, tender; one of the best for early forcing. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Romaine White Cos. It is of upright growth and possesses a distinct, crisp and very refreshing taste. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

Trianon Self-Closing Cos. The finest of all the Cos sorts. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Express Cos. A fine new dwarf variety. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Eclipse Cos. For description see novelties. Pkt. 15c., $\frac{1}{4}$ oz. 30c., oz. 50c.



Leek, Large American Flag.

LEEK

One ounce will sow about 100 feet of drill.

CULTURE—Sow the seed very early, in a seed bed in a sheltered place, if possible. When plants are about six inches long, transplant them to trenches six inches deep, with very rich soil at the bottom. Fill up the trenches as the plants grow, and later draw soil up to them. As a result you will have fine, large leeks, blanched, half a foot long, which may be kept all winter if dug up with the roots on and stored in moist sand in the cellar.

Large American Flag. The largest and most desirable, either for market or family use. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Large Carentan (Winter). A very hardy variety of extra large size; the leaves are fan-shaped, of a dark green color; the edible stem is six to eight inches long and three inches in diameter. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c., lb. \$2.00.

Large Rouen. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c.

MUSKMELON

One ounce will sow about 80 hills.

CULTURE.—Sow the seed in April under hand glasses, and in the open air in May in hills six feet apart each way. Plant in each hill from 8 to 10 seeds, covering half an inch deep. When the plants have produced their rough leaves, thin out to three plants. The hills should be prepared by trenching in rotten manure and sand. As soon as the plants make their appearance above ground, dust them with soot, charcoal dust or wood ashes, to prevent the ravages of the bug.

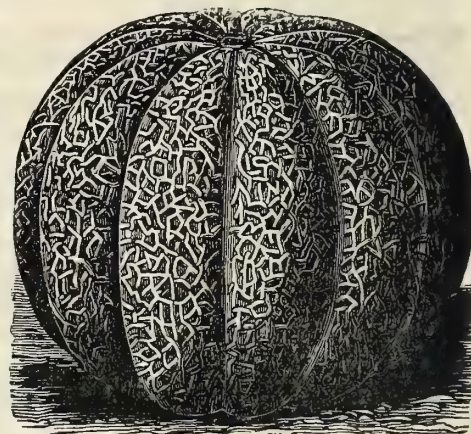
Tip-Top Melon. The most productive melon known; good for early or late, having a sweet, juicy, fine flavor; solid flesh (but not hard) and eatable to the outside coating. The fruit is of large size, nearly round, evenly ribbed and moderately netted. Per pkt. 10c., oz. 15c.

Rocky Ford. An improved strain of the Netted Gem type, which has been grown on a very large scale and to a wonderful degree of perfection in Rocky Ford, Colorado. It is by far the most popular sort on the market, and commands higher prices than any other variety. It is very sweet and most delicately flavored, with exceedingly fine and smooth-grained flesh of a light green color. Per pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c.

Long Island Beauty. On style of Hackensack, but earlier and finer in quality, and the most beautiful Muskmelon. Per pkt. 5c., oz. 15c.

Delmonico. Oval, deeply netted, large size, orange flesh. Per pkt. 5c., oz. 10c.

Extra Early Hackensack. Large, round and of fine quality; a standard variety. Per pkt. 5c., oz. 10c.



Muskmelon, Early Hackensack.

ENGLISH FRAME VARIETIES

(IMPORTED SEED)

	Per Pkt.
Sutton's Invincible Scarlet	
Flesh	25 cts.
Blenheim Orange.....	25 cts.
Eastnor Castle Green Flesh	25 cts.
Sutton's Perfection Pale	
Green Flesh.....	25 cts.
British Queen.....	25 cts.

Emerald Gem. Small, extra early, smooth ribbed, dark green skin and orange flesh. Per pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 50c.

Jenny Lind. Small, but very early; green flesh. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c.

Nutmeg. Named from its shape; green flesh; fine flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c.

Long Yellow Cantaloupe. Standard sort; yellow flesh. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c.

Paul Rose. This new red-fleshed melon is exceedingly sweet and highly flavored, and in it are combined all the good qualities of the Netted Gem and Osage, the varieties from which it originated. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 60c.

MARTYNIA

One ounce will plant about 200 hills.

Proboscidea. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

WATERMELON

One ounce will plant about 50 hills.

CULTURE—Treat the same as muskmelon, except that they should be planted eight or ten feet apart, according to variety.

Cole's Early. A most delicious and productive variety for the family garden, succeeding in Northern States, where melons were never matured before. The flesh is of a beautiful bright red color, crisp and extremely delicate in texture—that granulated, cool, sparkling appearance that is so captivating to the eye; in flavor it is lusciously sweet and refreshing, no pithiness or stringiness. Per pkt. 10c., oz. 20c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Pride of Georgia. Round, large, crisp; bright red flesh; intermediate. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Hungarian Honey. Fresh, brilliant red, very small seeds; well adapted for Northern localities. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

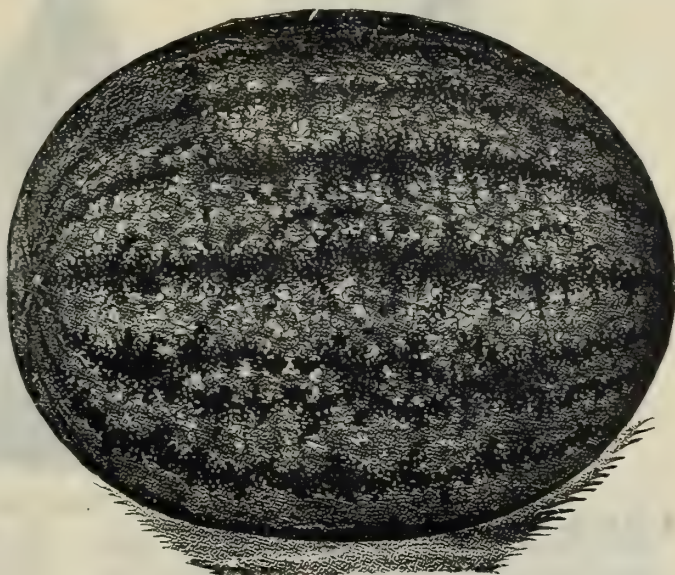
Mammoth Ironclad. A large size; flesh deep red and of rich flavor, holding its fine quality very close to the skin. For shipping and keeping it is unsurpassed. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Sweetheart. A perfected form of the old Ice Cream, possessing all of its good qualities and producing fruit much larger and handsomer in appearance and of most delicious flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb., 20c., lb. 60c.

Kolb's Gem. Largely grown in the South for shipment to northern markets; it has no equal as a shipping melon; the fruit is nearly round; rind, dark green, somewhat marbled with lighter shades. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

The Boss. Oblong in shape; dark green skin; flesh deep scarlet; early, heavy, productive and good shipper. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Black Spanish. A sweet and delicious variety; fruit round, of large size; skin, blackish green; scarlet flesh. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.



Kolb's Gem Watermelon.

Citron. Round and handsome; used for preserves. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Mountain Sweet. An old and reliable sort; red flesh; late. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Florida Favorite. A superb strain; improvement on Rattlesnake; intermediate. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

White-seeded Ice Cream. Very early; red flesh. Per oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

MUSHROOM SPAWN

Ten lbs. will spawn 10 feet square.



Mushroom Spawn.

CULTURE.—Mushrooms are easily grown, with a little care and attention under a square shed, portion of a cellar, or any dark, dry place. Collect a quantity of fresh horse droppings, throw them into a heap, leaving it until it commences to ferment, then turn it over and mix it up well, and place it where you intend to make the bed; spread it regularly about 18 inches thick, tread firmly and level the surface, then apply the soil about three inches in thickness all over the bed. Leave this to heat for a few days, and as soon as the heat drops to 90 degrees, make holes in the bed, about a foot apart each way, into which put pieces of the spawn about the size of an egg; fill up the holes with the compost. Beat the surface level, afterward keep it dry, and the mushrooms will make their appearance in about five or six weeks. When the first crop has been taken, give the bed a good watering, leaving it as before, when they will again make their appearance. Beds can be made at any time of the year, and as one declines another should be made, to keep a constant supply. The spawn should be kept in a cool, dry place. When gathering, remove the stalks; do not cut them or they will rot and breed maggots.

English Spawn per lb. 12c., 10 lbs. \$1.00, 100 lbs. \$9.00
American Pure Culture " 15c., " 1.50, " 10.00
French Spawn per 2-lb. box, 75c.

Stumpp & Walter Co.'s Perfect Globe-Shaped Onions



White Globe.

Yellow Globe.

Red Globe.

S. & W. Co.'s Southport White Globe. Yields abundantly, producing handsome and uniformly globe shaped bulbs. The flesh is firm, fine-grained and of mild flavor. To produce the beautifully white onions so much sought in every market, one must first of all have good seed. Second, grow them well on rich lands. Third, exercise great care in harvesting and curing the crop. In Southport they "cord" up the onions in long rows, the bulbs on the inside, and cover with boards so that the bulbs in the open air are well protected from rain or dew, which would be sure to discolor them. We have by years of careful selection and breeding developed a strain which has no equal in uniformity and beauty of shape and color. Per pkt. 10c., oz. 40c., $\frac{1}{4}$ lb. \$1.00, lb. \$3.00.

S. & W. Co.'s Southport Yellow Globe. This is probably the finest all-round sort grown. The enormous quantities annually shipped to market prove its popularity, and it is more largely grown than any other variety.

We take unusual precautions to maintain the highest degree of perfection in our stock, and can confidently claim superiority for it. The bulbs are large and uniformly spherical, with very small necks; the largest diameter is below the center of the bulb. The color is a rich orange-yellow; enormous yielders and splendid keepers. No onion grower can afford to plant inferior seed when such as this can be procured. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

S. & W. Co.'s Southport Red Globe. Very similar to Wethersfield in color, having a deep-red skin, but differing in shape, being almost a perfect globe. It matures with or a little later than Wethersfield, and is one of the best keepers of the red varieties. Size large. Flesh fine-grained, mild and tender. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

COLLECTION, 1 Packet each, 3 Varieties Globe Onion, Red, White and Yellow, for 25c.; 1 oz. each, 3 Varieties, 75c.

One ounce will sow about 100 feet of drill.

ONIONS

CULTURE.—Sow as soon as the frost is out of the ground in spring, in drills one inch deep and 12 inches apart; thin out to two or three inches. For onions the ground requires to be well manured.

Yellow Globe Danvers. Of more globular shape than the preceding; splendid keeper. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.00.

White Pickling. When matured, the tops die down, leaving beautiful and perfect little bulbs. The color is pure white, flavor mild and delicate, perfectly adapted for pickling and table use, and makes a pretty bunch onion, especially if grown by the transplanting method. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 70c., lb. \$2.50.

White Portugal, or Silver Skin. A mild-flavored variety, used extensively for pickles. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Yellow Danvers. A standard sort; early and a good keeper. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.00.

Yellow Globe Spanish, or Prize Taker. Grows uniform in shape; is of immense size, measuring from 12 to 16 inches in circumference, while under special cultivation specimen bulbs have been raised to weigh from 4 to 6 pounds each; its pure white flesh is fine-grained, mild and delicate in flavor. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

The Australian Brown Onion is of medium size, wonderfully hard and solid, extremely early in ripening, and never makes any stiff-necks or scallions. Planted with the Red Wethersfield, it proved to be nearly four weeks earlier and ripened off more uniformly. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.



White Pickling Onion.

ONION

LARGE RED WETHERSFIELD

This is the standard red variety, and a favorite Onion in the East, where immense crops are grown for shipment. Bulb large, somewhat flattened, oval shape; skin deep purple-red; flesh purplish white, moderately fine grained and stronger flavored than any of the other kinds. Very productive, the best keeper, and one of the most popular for general cultivation. It is more inclined to form large necks if planted on unsuitable soil than the Danvers, but is the best variety on poor or dry soil. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



Large Red Wethersfield Onions.

ENGLISH VARIETIES

Carter's Record. Increased in flavor each season, and is an exceptionally large growing variety. Pkt. 25 cts., oz. \$1.00, $\frac{1}{4}$ lb. \$3.00.

Excelsior. The finest onion in cultivation for show purposes or general crop. No other variety can approach it for great size, fine quality and splendid globe shape. Pkt. 25c., oz. \$1.25, $\frac{1}{4}$ lb. \$4.00.

Notting's Golden Ball. The finest globe Onion in cultivation; a very heavy cropper, growing to a large

size, with small neck and bulb a beautiful globe shape. It is an excellent keeper and a capital variety for exhibition. Pkt. 25c., oz. \$1.00, $\frac{1}{4}$ lb. \$3.00.

Ailsa Craig. This magnificent Onion has proved itself to be the premier variety in cultivation, and is now universally recognized as the beau ideal of what an exhibition Onion should be. A single specimen grown by Mr. Jas. Bowerman weighed 3 lbs. 7 $\frac{1}{2}$ ozs., and twelve bulbs by the same grower weighed 37 $\frac{1}{2}$ lbs. The skin is a pale straw color with flesh very white and mild. Pkt. 25c., oz. \$1.00, $\frac{1}{4}$ lb. \$3.00.

ONION SETS

Plant Onion sets and tops near the surface in drills 12 inches apart and 4 inches in the rows. They require the highest culture to obtain the best results.

	Per peck 8 qts.			Per peck 8 qts.	
White Globe Sets	\$0	\$2 00	Red Top Sets	\$0	\$1 50
Red " "	30	2 00	White Potato Onions	20	1 50
Yellow " "	30	2 00	Yellow " "	20	1 50
White Sets	20	1 50	White Multiplier Onions	30	1 75
Red " "	20	1 50	Shallots	30	1 75
Yellow " "	20	1 50			

MUSTARD

One ounce will sow 75 feet of drill.

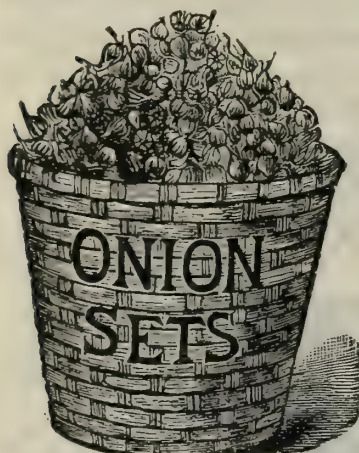
As an ingredient the green mustard imparts a delightfully pungent flavor to the various forms of prepared salads. For early crops the seed may be sown in a hotbed in March, and for general crop at frequent intervals through the spring, in drills from 8 to 12 inches apart.

Black or Brown. An esteemed sort for culinary use. Per oz. 5c., $\frac{1}{4}$ lb. 10c., lb. 25c.

Giant Southern Curled. Very large leaves. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

White London. The best variety for salads; the seed is also used medicinally and as a seasoning for pickles. Per oz. 5c., $\frac{1}{4}$ lb. 10c., lb. 25c.

NEW CHINESE. Leaves twice the size of the ordinary white mustard; stems more succulent, of deeper green; flavor pleasantly sweet and pungent. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 20c., lb. 60c.



PARSLEY

One ounce will sow about 150 feet of drill.

CULTURE.—Parsley requires a rich, mellow and deep soil. Soak the seed for a few hours in tepid water, and sow early in the spring in drills one foot apart and half an inch deep. Thin out the young plants to four inches. Hamburg parsley should be treated the same as carrots.

Extra Double Curled. Standard market sort. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Champion Moss Curled. Very beautiful. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Fern-Leaved. Finest garnishing variety. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Plain. The ordinary form. Pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 40c.

Curled Beauty. Pkt. 10c. **Hamburg, or Rooted.** Edible roots. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.



Cayenne Pepper.

New Neapolitan. Is fully two weeks earlier than Bull Nose or Ruby King; of good size, and mild flavor. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 90c.

Selected Ruby King. Fruit bright ruby-red. The flavor is so mild and pleasant that it can be sliced and eaten like cucumbers or tomatoes. Per pkt. 10c., oz. 35c., $\frac{1}{4}$ lb. \$1.00, lb. \$4.00.

Golden Dawn. Bright golden yellow; very productive. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Sweet Mountain. Similar to the Bull Nose, but larger, sweeter and of milder flavor. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Red Cluster. Bears a profusion of red clusters of very thin, pungent peppers in an upright position. It forms a small compact plant about a foot high. A single plant has been known to produce a thousand peppers. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 85c.

OKRA or GUMBO

One ounce will sow about 100 feet of drill.

CULTURE.—Sow in the second or third week in May, if the weather is settled and warm, in drills one inch deep and four feet apart; thin out to 12 inches.

Lady Finger. A fine new variety from the South, very productive, of extra long, slender pods of fine round form. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Kleckley's Favorite. One of the best varieties. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Long Green. Long ribbed pods, very productive. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

White Velvet. Very distinct in appearance; pods are perfectly round, smooth and of a white velvety appearance and of superior flavor. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.



Champion Moss Curled Parsley.

PARSNIP

One ounce will sow about 200 feet of drill.

CULTURE.—Sow as early in the spring as the ground can be worked, in drills, 18 inches apart, covering with fine soil to the depth of half an inch. The soil should be rich and deeply dug. The quality of the roots is much improved after a severe frost; in fact, they may be allowed to remain in the ground throughout the winter, as they are perfectly hardy.

Hollow Crown. The finest variety grown; long, smooth and milky white. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

PEPPER

One ounce will produce about 200 plants.

CULTURE.—Sow in hotbed in March or in the open ground in April; transplant in rows 20 inches apart each way. The seed may be sown in the open ground after all danger of frost is passed.

Long Red Cayenne.—Fruit about four inches long, bright red color; very productive. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.

Cherry Red. Small round fruit, rich scarlet color, and extremely piquant. Per pkt. 5c., oz. 30c., $\frac{1}{4}$ lb. 85c., lb. \$3.00.

Large Bell, or Bull Nose. A large early variety of pleasant flavor. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 65c., lb. \$2.25.

Magnum Dulce. Superior to Chinese Giant, or any other variety for size and quality. Per pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 35c., $\frac{1}{4}$ lb. \$1.25.

Chinese Giant. An extremely large handsome pepper. Per pkt. 10c., $\frac{1}{2}$ oz. 15c., oz. 25c., $\frac{1}{4}$ lb. 90c.



Pepper, Sweet Mountain.

PEAS

One quart will plant 100 feet of drill.

CULTURE.—For early crops sow as early in spring as practicable, and again every two or three weeks for a succession throughout the season up to the 1st of August. Plant in single or double rows, four feet apart and two inches deep. In dry weather soak the peas over night before planting. In the vicinity of New York the Extra Early Peas, if planted from the 15th to the last of August, will produce a medium crop for late picking, when they will be found most acceptable.

Varieties marked * are wrinkled marrows, and should be sown thicker than the round peas, and not until the ground has become warm, as they are more liable to rot. All wrinkled sorts are much superior in flavor to the round peas.

EXTRA EARLY PEAS.

✓ **First of All.** This variety is unequalled for excellence, yield, size of pod and regularity of ripening. Height, $2\frac{1}{2}$ feet, or fully six inches dwarfier than the Philadelphia Extra Early, and produces pods of good size, which are well filled with round, smooth peas of splendid flavor. It is a prodigious bearer, and in this last feature and in its extreme earliness consists its great value to market gardeners and truckers. At the same time, we know of no other variety that is more popular than "First of All" in private gardens. Per $\frac{1}{2}$ pt. 10c., pt. 20c., qt. 30c., peck \$1.50, bushel \$5.00.

✓ **Gradus.** The pods of this new and most valuable sort are as large as those of Telephone, and fit for use as soon as First of All. The peas are large, handsome and of fine quality. (See page 3 for description.) Per $\frac{1}{2}$ pt. 15c., pt. 30c., qt. 50c., peck \$3.25.

✓ **Alpha.** A good early wrinkled pea. Height 3 feet. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., peck \$1.50.

✓ ***Exonian.** An extra early new wrinkled marrow pea. Per $\frac{1}{2}$ pt. 10c., pt. 20c., qt. 30c., peck \$1.50.

✓ ***Nott's Excelsior.** A splendid extra early wrinkled now sort; very prolific. Per $\frac{1}{2}$ pt. 10c., pt. 20c., qt. 35c., peck \$2.00.

✓ **Alaska.** The finest blue seeded extra early pea known to the trade. The dark green color of the pods renders it very desirable for transporting long distances, therefore proving a popular sort with canners and gardeners sending pods to distant markets. Very early, uniform in growth, almost entirely free from sports or runners. First-class in every respect. Seed round, blue, slightly pitted. Height $2\frac{1}{2}$ feet. Per $\frac{1}{2}$ pt. 10c., pt. 20c., qt. 30c., 4 qts. \$1.00, peck \$1.75.

✓ **American Wonder.** Extra early, fine flavor and productive. Height 1 foot. Per $\frac{1}{2}$ pt. 10c., pt. 20c., qt. 35c., peck \$2.00.

✓ **McLean's Little Gem.** Extra early, straight pods, very prolific, and of excellent flavor. Height $1\frac{1}{2}$ ft. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 30c., peck \$1.75.

✓ **Thomas Laxton.** A remarkably fine early wrinkled pea, and we think destined to supersede "Gradus." In many characteristics it resembles that excellent sort, but the pods differ in shape, and are certainly more numerous. Our trials last season on this pea were most satisfactory; it is not alone early, but the peas are large, sweet, and have that fine flavor that is so much sought after, but very rarely found in an extra early pea. Our stock of this pea is very carefully selected and should be grown in every garden. It grows about 3 ft. in height, but does not need brushing. Per $\frac{1}{2}$ pt. 15c., pt. 25c., qt. 40c., peck \$2.75.

✓ **Daniel O'Rourke.** Extra early, and a favorite market garden sort. $2\frac{1}{2}$ ft. high. Per $\frac{1}{2}$ pt. 10c., pt. 20c., qt. 30c., peck \$1.50.

MEDIUM EARLY PEAS.

✓ **Abundance.** This variety is remarkable for branching directly from the roots. Excellent quality. Height 3 feet. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., peck \$1.50.

✓ **McLean's Advancer.** A standard market sort, long pods, well filled, excellent quality. Height $2\frac{1}{2}$ feet. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 30c., peck \$1.50.

✓ **Horsford's Market Garden.** A wrinkled variety coming in between Little Gem and Advancer. It is very prolific, yielding more per acre than any other American pea. Excellent quality. Height 2 feet. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., peck \$1.50.

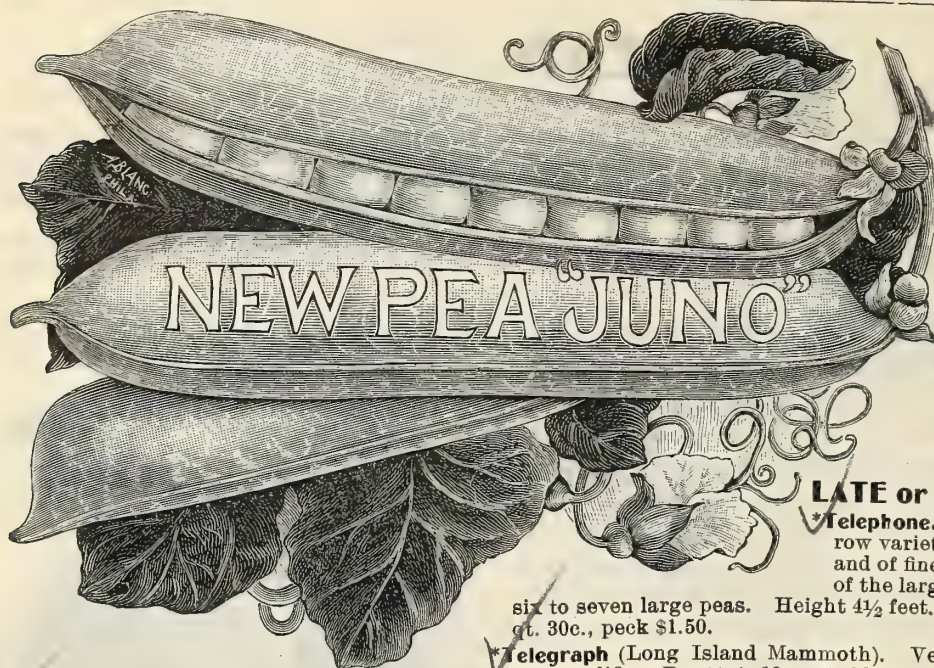


Thomas Laxton Pea.

✓ ***Overbearing.** Produces very long pods and large peas, Sow thin. Height $3\frac{1}{2}$ feet. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., peck \$1.50.

✓ ***Heroine.** Enormously productive; pods large, long, slightly curled, pointed, containing from nine to ten large peas of the finest quality. Height $2\frac{1}{2}$ feet. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 30c., peck \$1.50.

✓ **Champion of England.** Acknowledged to be the best of the tall-growing late varieties; the pods and peas are of the largest size and excellent quality. Height 5 feet. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., peck \$1.50.

**MEDIUM EARLY PEAS—Continued**

Pride of the Market. Very large, long pods; sow thinly. $\frac{1}{2}$ pt. 10c., pt. 20c., qt. 30c., peck \$1.75.

Shropshire Hero. Very productive; fine flavor; long handsome pods. $2\frac{1}{2}$ feet. $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 30c., peck \$1.50.

Carter's Daisy. Dwarf wrinkled, large pods, and large fine flavored peas. $\frac{1}{2}$ pt. 15c., pt. 20c., qt. 35c., peck \$2.50.

LATE or MAIN CROP PEAS

Telephone. A tall, wrinkled, marrow variety, enormously productive and of fine quality. The pods are of the largest size and contain from

six to seven large peas. Height $4\frac{1}{2}$ feet. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 30c., peck \$1.50.

Telegraph (Long Island Mammoth). Very large pods and peas, very prolific. Per $\frac{1}{2}$ pt. 10c., pt. 20c., qt. 30c., peck \$1.75.

Junio. One of the best peas in cultivation. It has a robust vine and stout, straight pods, usually borne in pairs. The pods are very thick, broad-backed all the way up, and filled from the stem to the lips with seven to nine sweet, delicious dark green peas of immense size. Height 2 ft. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 30c., peck \$1.60.

Black-Eyed Marrowfat. Hardy and prolific. Height 3 ft. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 25c., peck \$1.25.

White Marrowfat. A favorite; heavy yielder. Per $\frac{1}{2}$ pt. 10c., pt. 15c., qt. 20c., peck \$1.00.

Stratagem. Very large pod; peas of first quality. $1\frac{1}{2}$ ft. Per $\frac{1}{2}$ pt. 10c., pt. 20c., qt. 35c., peck \$2.25.

SUGAR PEAS—Edible Podded

Melting Sugar. Grows to the height of 5 ft., bears a profusion of large, broad pods, which are so brittle that they snap without any string. It should be used in much the same way as a Wax Bean. The pods when cooked are very sweet and tender. Per $\frac{1}{2}$ pt. 15c., pt. 25c., qt. 40c., peck \$2.50.

Very Dwarf Sugar. Unusually dwarf, very similar in habit to the American Wonder. The pods are beautifully crimped, are of unusual size for such a small-growing sort, and are of exquisite, melting quality. Per $\frac{1}{2}$ pt. 15c., pt. 25c., qt. 40c., peck \$2.50.

PUMPKIN One ounce will plant 50 hills.

CULTURE.—Plant in April or May, among corn or in the garden, in hills 8 or 10 ft. apart, and otherwise treat in same manner as melons.

Large Tours, or Mammoth. Grows to an immense size, often weighing over 100 lbs. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 50c.

Connecticut Field. Grown for stock purposes. Per oz. 10c., $\frac{1}{4}$ lb. 30c., lb. 60c.

Winter Luxury. This we recommend as one of the best pie pumpkins; an excellent keeper and enormously productive. It is very finely netted and in color it is a golden russet. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 60c.

Large Cheese. A most popular variety in the South. Fruit flattened, the diameter being two or three times more than the length; skin mottled light green and yellow, changing to rich cream color as it matures; flesh tender and of excellent quality. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. \$1.00.

Jumbo. This is the variety to be grown where "the biggest pumpkin" is wanted. We have seen specimens weighing 250 pounds. The color of skin is a deep yellow, the flesh being of a lighter shade. Notwithstanding its enormous size it is delicious in quality and generally desirable. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 60c.

Calhoun. A good-sized, almost round pumpkin, with creamy-brown skin; flesh deep salmon-yellow, wonderfully thick, fine grained, and of the finest quality for rich-colored pies. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c.



Pumpkin. Large Tours, or Mammoth

POTATOES FOR SEED

CULTURAL DIRECTIONS.

—Grown exclusively from tubers; 10 to 12 bushels to the acre. Plant in early spring, in rows 3 feet apart and plants 15 to 18 inches apart in row. Cultivate constantly and thoroughly, finally ridding the loose soil against the rows. A second or late spring planting is often made. Store in frost-proof cellar in winter.

Our potatoes are all specially raised for seed purposes, are "Northern Grown" and are exceptionally fine in quality.

In comparing our prices on potatoes, remember we make no charge for barrels or cartage, and deliver F. O. B., New York, at prices quoted.

Norcross. Has been grown for the past few years and has given excellent satisfaction. The potato is large, flat, oval, perfect in shape, finest in quality, largest in yield. It is an excellent eating potato, is very hardy, and has shown exceptional blight-resisting qualities and is very prolific. Price per $\frac{1}{2}$ peck 75c., per peck \$1.35, per bush. \$4.00, per bbl. \$9.00

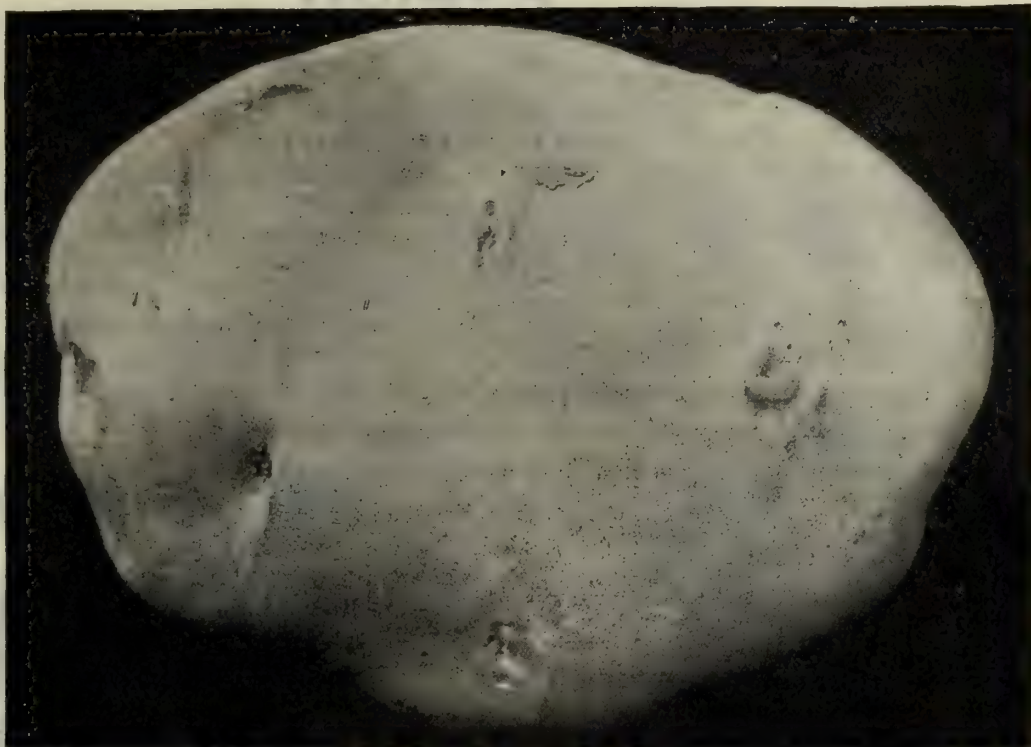
EARLY VARIETIES

Extra Early Potato, The Bovee. The earliest of all and a great cropper. The Bovee in all competitive trials has outyielded all the early potatoes, and in many of the tests conducted by experiment stations and private growers it has outyielded even the late varieties, including such heavy cropping kinds as Carman No. 1, Empire State, Rural New Yorker No. 2, and others. The vine is dwarf and stocky, and the tubers grow remarkably close, all bunched together in the hill close up to the vine. Per peck 85c., bush. \$2.50, bbl. \$5.00.

Early Northern. Several days earlier than the Early Rose, and equally prolific; a most desirable sort. It is a strong, vigorous grower, and the potatoes are bunched well together in the hills. Per peck 85c., bush. \$2.50, bbl. \$4.50.

Early Puritan. Entirely distinct from all other early sorts, the skin being nearly pure white. It cooks dry and floury, and is unequalled in quality. Per peck 85c., bush. \$2.50, bbl. \$4.50.

Selected Early Rose. A standard variety, early, productive and of excellent quality. Per $\frac{1}{2}$ peck 40c., peck 70c., bush. \$2.00, bbl. \$4.50.



Norcross.

Clarke's No. 1. Earlier than the Early Rose and very productive. Cooks mealy. Per peck 70c., bush. \$2.00 bbl. \$4.50.

Rural New Yorker. Large, smooth variety of excellent quality; white skin and flesh, with few and shallow eyes. Per peck 70c., bush. \$2.25, bbl. \$4.00.

Rochester Rose. The Rochester Rose, which we now offer, is a seedling of the Early Rose, and is an improvement in every respect. It will average larger in size, is not quite so early, and is a much heavier yielder. Per peck 70c., bush. \$2.00, bbl. \$4.00.

Beauty of Hebron. Slightly flesh-colored skin, with pure white flesh; one of the most popular early varieties. Per $\frac{1}{2}$ peck 40c., peck 70c., bush. \$2.25, bbl. \$4.00.

New Queen. In shape and color resembling White Elephant; fine quality. Per $\frac{1}{2}$ peck 40c., peck 70c., bush. \$2.00, bbl. \$4.00.

LATE OR MAIN CROP VARIETIES

Carman No. 1. Largest size, handsome form, greatest yielder, finest table quality. Per $\frac{1}{2}$ peck 50c., peck 75c., bush. \$2.25, bbl. \$4.25.

Late Puritan. In the Late Puritan we have a potato which is identical with the Early Puritan in appearance, color and quality, but far more productive. Per peck 70c., bush. \$2.00, bbl. \$4.00.

New Ideal. Is a handsome potato, having a pink russet skin. Per peck 70c., bush. \$2.00, bbl. \$4.00.

Carman No. 3. A new seedling raised by Mr. Carman. It is of perfect form even in dry seasons, almost every potato being of uniform size and shape, averaging nearly a pound each in weight. It has but few eyes, and they are very shallow. The skin and flesh are extremely white, no hollow or dark parts, and its cooking qualities are extremely fine. A remarkably handsome potato, and enormously prolific. Per peck 60c., bush. \$2.00, bbl. \$4.00.

RADISH

One ounce will sow about 100 feet of drill.

CULTURE.—Sow for early crops in March, in hotbed, and in April and May in a warm border, and continue throughout the season in fortnightly sowings, in drills an inch deep and a foot apart.

EARLY TURNIP VARIETIES

Scarlet. Very early. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 60c.

Scarlet White-Tipped. Fine for early forcing in frames or outdoors. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Early White Turnip. A small, round sort, inclined to flat. Its beautiful pure white color makes it very useful for mixing with other sorts. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 70c.

Yellow Summer. Splendid variety; stands heat and drought well. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c.

Early Scarlet Globe. Of distinct shape, brilliant color, short-leaved; crisp and white; an excellent variety for forcing. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c.

Large White Summer. Large size and fine form; excellent for summer use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c.

Large Gray Summer. Large size, round. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c.

Triumph Scarlet Striped, Forcing. A very desirable addition to our forcing sorts. The roots are about the size and shape of Scarlet Turnip White Tipped, but are creamy-white, beautifully marked with spots and dashes of carmine. Per pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c.

OLIVE-SHAPED VARIETIES

Olive-Shaped Scarlet. Flesh bright and crisp. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

French Breakfast. A favorite sort, mild and crisp. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Olive-Shaped White. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

Red Rocket. Shape is long-oval, color bright red, good flavor. Per pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c.

White Rocket. Similar to Red Rocket, but is pure waxy white throughout. Per pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c.

White Tip Rocket. Brilliant scarlet with white tip; flavor delicious. Per pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 40c.

LONG VARIETIES

Scarlet Short Top. Very long and crisp. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Scarlet Chartier White Tipped. The color at the top is crimson, running into pink about the middle, and from thence downward is a pure white. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 65c.

White Strasburg. Shape tapering; skin and flesh both white; excellent summer variety. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 65c.

Giant White Stuttgart. Medium early, large and heavy; pure white throughout; very tender and delicious flavor. A very popular sort. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Long White Vienna, or Lady Finger. Pure white in color, of long tapering shape; very attractive in appearance. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c.

WINTER RADISHES

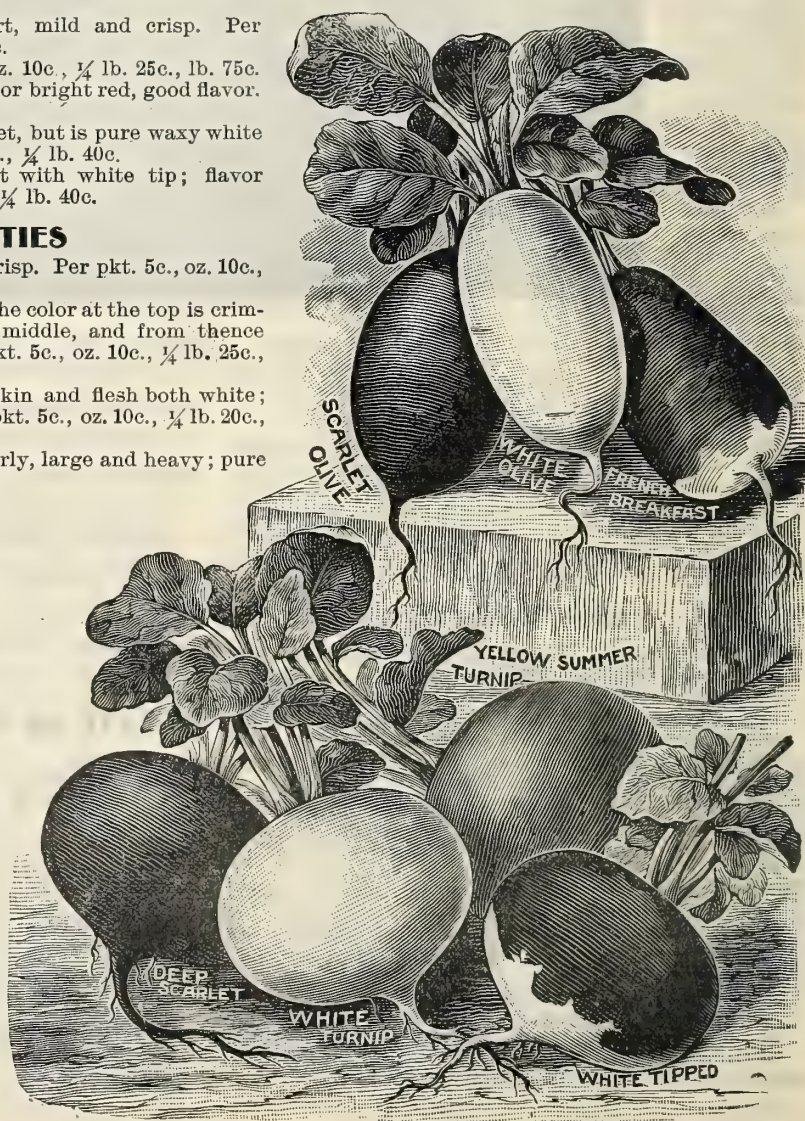
Rose China. Bright rose color; flesh firm and piquant; fine for winter use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Long Black Spanish. The popular winter sort. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Round Black Spanish. Fine for winter use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Half-Long Black Spanish. A fine market gardeners' strain. Flesh white and crisp; fit to use early in the fall. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.

California Mammoth White Winter. A white fleshed Radish of excellent quality. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 75c.



SALSIFY, or VEGETABLE OYSTER

One ounce will sow about 50 feet of drill.

CULTURE.—Sow the seed early in spring, in drills twelve inches apart and one inch deep, thinning out the young plants to six inches. The roots will be ready in October, when a supply should be taken up and stored like carrots. Those remaining will suffer no injury by being left in the ground until spring.

Mammoth Sandwich Island. Tender and delicious. Superior to all other sorts. Pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.



Salsify, Sandwich Island.

SCORZONERA

One ounce will sow about 50 feet of drill.

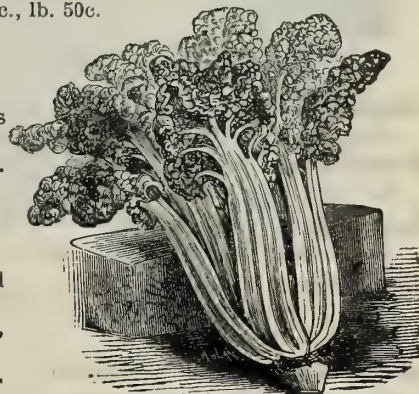
CULTURE.—Cultivate the same as Salsify. The roots should not be scraped, but simply washed, boiled tender, then peeled and served like asparagus. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.

SWISS CHARD

One ounce will sow about 100 feet of drill.

CULTURE.—This is a beet producing only leaves, and is excellent used as greens. Considered by many much superior to either spinach or beet-tops as greens. Sow the seed as early as the ground can be worked, in drills, about a foot apart. As it grows, thin out for use.

Swiss Chard. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.



Swiss Chard.

SORREL

One ounce will sow about 100 feet of drill.

CULTURE.—Sow early in the spring in drills six to eight inches apart.

Garden. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c., lb. \$1.25.

SPROUTS

One ounce will plant about 150 feet of drill.

CULTURE.—Sow in drills one inch deep and treat the same as kale.

Spring Sprouts, or English Rape. Pkt. 5c., oz. 10c.

Winter, or Siberian Kale. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

SPINACH

One ounce will sow about 100 feet of drill.

CULTURE.—Sow in March or April in drills one inch deep and fourteen inches apart; again in August and September. Spinach delights in very rich soil—in fact, it is of no use sowing in a poor one.

Norfolk Savoy-Leaved. A valuable variety with wrinkled leaves, resembling the Savoy cabbage; hardy and prolific. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c.

Large Thick-Leaved. Fine market sort. It produces a large, thick leaf and stands for a long time before running to seed. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c.

Round-Leaved. One of the best for market or family gardens. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c.

Large Thick-Leaved Viroflay. A fine selection of the old lettuce-leaved spinach. Excellent for summer use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c.

Long Standing. A distinct variety, standing from two to three weeks longer than any of the other sorts without going to seed in this climate. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 15c., lb. 35c.

New Zealand. Produces leaves in great abundance throughout the summer; it should be transplanted two by three feet. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 30c., lb. \$1.00.

Victoria. New extra dark black-green color. Two or three weeks later than the ordinary Long Standing. A fine variety for spring sowing. Per pkt. 5c., oz. 10c., lb. 35c.

SEA-KALE

One ounce will produce about 300 plants.

Cultivated for its blanched shoots, which are cooked as asparagus. A supply may be had all winter by planting the roots closely in a warm cellar before frost. Sow one inch deep in drills two feet apart, thin out to six inches, and the next spring plant in hills three feet apart.

Sea-Kale. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.50.



Long Standing Spinach.



White Bush Scalloped.

Golden Custard. Mammoth strain of the Early Yellow Scalloped Bush. Golden yellow flesh, quality excellent. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c.

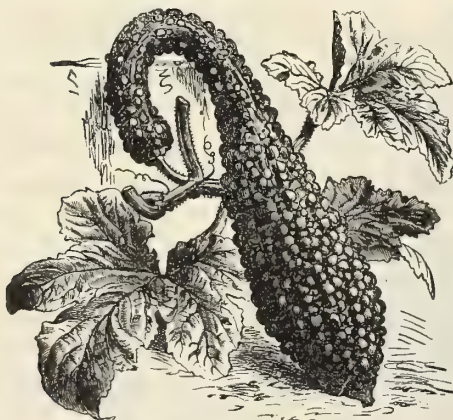
Perfect Gem. Round, white, very productive, and of fine quality. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c.

Boston Marrow. Medium early; oval in shape; yellow flesh, and of most excellent quality. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c.

Early Summer Crookneck. A very fine early summer variety. Fruit is yellow, fine flavor and productive. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c.

Giant Bush Summer Crookneck. The Crookneck class of Squash surpasses in quality any of the summer varieties, and in the Mammoth we have the delicious buttery flavor of the original sort, but of just double the size. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 60c.

Hubbard. Finest of all the late-growing varieties. Bluish green color, occasionally marked with brownish orange. Will keep from September to May. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 50c.



Giant Summer Crookneck.

SQUASH

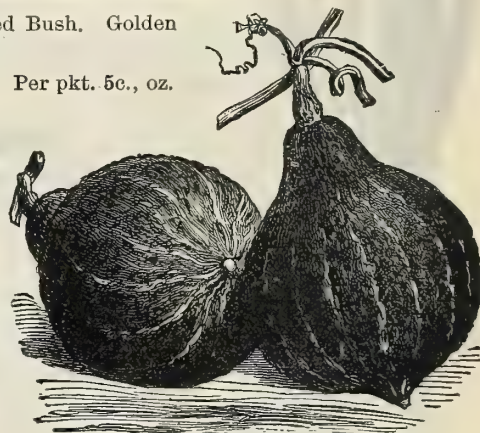
One oz. Early Squash will plant about 25 hills. One oz. Marrow Squash will plant about 50 hills.

CULTURE.—The Squash succeeds best in good rich soil. It is not advisable to plant before May 15th. Sow in hills in the same manner as cucumbers and melons.

White Bush Scalloped. This and the Yellow Bush Scalloped are esteemed the earliest, and are grown almost exclusively for first crop. From the hard texture of the rind it is well suited for shipping, and they are grown exclusively at the South for that purpose. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c.

Long Island White Bush. A selection of the Old White Bush Scalloped, and a vast improvement, having less prominent ridges and being much deeper, so that a single squash actually contains nearly twice as much weight for the same cubic measurement as the old sort. In addition to this, it is of finer quality and very prolific. We can strongly recommend this variety. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Yellow Bush Scalloped. Differs from the white only in color. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 40c.



Squash Hubbard.

Delicata. Early and very prolific; of oblong shape. Ground-color orange-yellow, splashed and striped with very dark green. Although of small size, the squash are solid and heavy, while the quality is rich and dry. An excellent "all seasons" squash. Per pkt. 10c., oz. 30c., $\frac{1}{4}$ lb. 75c.

Mammoth Chili. The flesh is very thick and of a rich yellow color; the quality is good and nutritious. They are most profitable to grow for stock feeding. They keep well throughout the entire winter. Per pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Winter Crookneck. Splendid for winter; flesh, close-grained, sweet and of fine flavor. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c.

Vegetable Marrow. A favorite English and Canadian sort; oblong, from 9 to 18 inches in length. Flesh, white, soft and very delicious. Per pkt. 5c., oz. 15c., $\frac{1}{4}$ lb. 30c.

RHUBARB

One ounce will produce about 1000 plants.

CULTURE.—Sow early in spring, in drills one inch deep and a foot apart; thin out; transplant the following season four feet apart each way. The ground should be drenched and well manured.

Linnaeus. Early, large and tender. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Victoria. Very large, somewhat later than Linnaeus. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.50.

Rhubarb Roots Each 10c., per doz. \$1.00.

TOMATO

One ounce will produce about 1000 plants.

CULTURE.—The seed should be sown in a hotbed about the first week in March, in drills five inches apart and half an inch deep. When the plants are about two inches high they should be transplanted into another hotbed and planted four inches apart, or planted in four inch pots, allowing a single plant to a pot. About the 15th of May the plants may be set out in the open ground three feet apart. Water freely at the time of transplanting. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot, and placing it in a sunny window of the room or kitchen. The fruit is greatly improved in quality if the vines are tied to a trellis or to stakes.

Livingston's New Globe. It is of beautiful globe shape, with quite a percentage of elongated (stem to blossom) fruits, which permits of a greater number of slices being taken than with flat fruited sorts. Among the very first to ripen, although of large size, very smooth, firm fleshed, few seeds, ripens evenly; color a beautiful glossy rose, tinged purple. Flavor very delicate and agreeable; splendid slicing variety. The fruit is borne on short-jointed, branching plants in great abundance—literally loaded with fruit. A good general cropper, and one of the very best for greenhouse growing or first early crop on stakes or trellis. Per pkt. 10c., $\frac{1}{2}$ oz. 50c., oz. \$1.00.

Selected Early Paragon. Vine medium sized, with large dark green leaves, having numerous clusters of three to seven large tomatoes, which are a rich dark red color, exceedingly smooth; flesh very firm, but without green spots. This is a favorite variety on account of its smooth, handsome fruit. One of the best varieties for canning. Per pkt. 10c., $\frac{1}{4}$ oz. 15c., oz. 35c., $\frac{1}{4}$ lb. 75c.

Crimson Cushion. The Crimson Cushion is more symmetrical in shape than the Ponderosa, and is much thicker through from stem to blossom end; in fact so marked is this characteristic that it is frequently almost round. The color is brilliant scarlet-crimson, untinged with purple, and ripens up almost to the stem. The flesh is firm and "meaty," and of superb quality. Per pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.50.

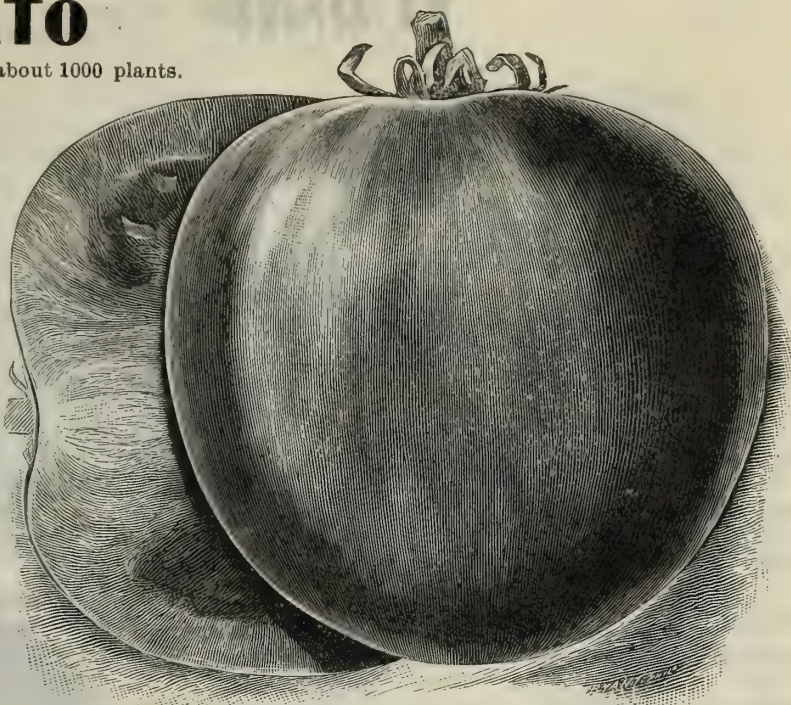
S. & W. Co.'s Earliest of All. Unquestionably the earliest red Tomato in cultivation. Fruit good size, brilliant red color, smooth, very prolific, and of superior flavor. If sown in March and transplanted will bear a good crop of Tomatoes by July, and continue fruiting until cold weather sets in. Per pkt. 10c., $\frac{1}{4}$ oz. 20c., oz. 40c.

Mikado. Distinct foliage; one of the earliest. Fruit very large, smooth, solid and of excellent quality. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Ponderosa. The largest variety in cultivation. Per pkt. 10c., oz. 50c., $\frac{1}{4}$ lb. \$1.50.

Early Ruby. Extra early; good form, rich crimson color; very solid; fine market sort. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Perfection. Smooth, productive and a good shipper. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c.



Tomato, Livingston's New Globe.

Sparks' Earliana. The most perfect of all tomatoes. Of large uniform size and beautiful red color; ripens thoroughly. Per pkt. 10c., $\frac{1}{2}$ oz. 25c., oz. 40c., $\frac{1}{4}$ lb. \$1.25.

Chalk's Early Jewell. A good second early sort. Per pkt. 5c., $\frac{1}{2}$ oz. 15c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Dwarf Champion. Distinct in foliage and habit of growth, being compact and upright; fruits early; medium size, and resembles the Acme in appearance. Per pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Beauty. Large, smooth, pinkish red; thick flesh, regular form. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Stone. One of the best. It is very large, perfectly smooth, and of a bright scarlet color. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Acme. Early, of medium size, perfectly smooth, very solid and productive. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Trophy. Improved. A standard variety. Very solid, smooth and excellent in every respect. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c.

Golden Queen. About size and form of Beauty; smooth, golden yellow. Pkt. 5c., oz. 25c., $\frac{1}{4}$ lb. 75c.

Strawberry. Small fruit, borne in clusters; used for preserves. Per pkt. 5c., oz. 20c., $\frac{1}{4}$ lb. 60c.

TOMATOES

Special Forcing Varieties

	Per Pkt.	Per $\frac{1}{2}$ Oz.	Per Oz.
S. & W. Co.'s Special Forcing	25c.	\$1.00	\$2.00
Lorillard	10c.	.15	.25
Best of All	25c.	.75	1.50
Carter's Duke of York . . .	25c.	1.00	2.00
Stirling Castle	25c.	1.00	2.00

Our forcing Tomato seeds are grown under glass.

TURNIP

One ounce will sow about
150 feet of drill.



Early White Milan.

White Egg. Shape nearly oval, flesh firm, smooth white skin; mild and very sweet. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Early Snowball. Small, solid, crisp and sweet; one of the best for table use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Purple Top Munich. One of the earliest varieties. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Red Top Strap Leaf. A standard sort, extensively grown for market and private use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

White Strap Leaf. Early variety. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

Purple Top White Globe. An early variety, globe-shaped, heavy cropper; in other respects similar to Red Top Strap Leaf. A handsome-looking bulb, and is rapidly taking the lead of all other varieties of Early Turnip for market garden purposes. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 55c.

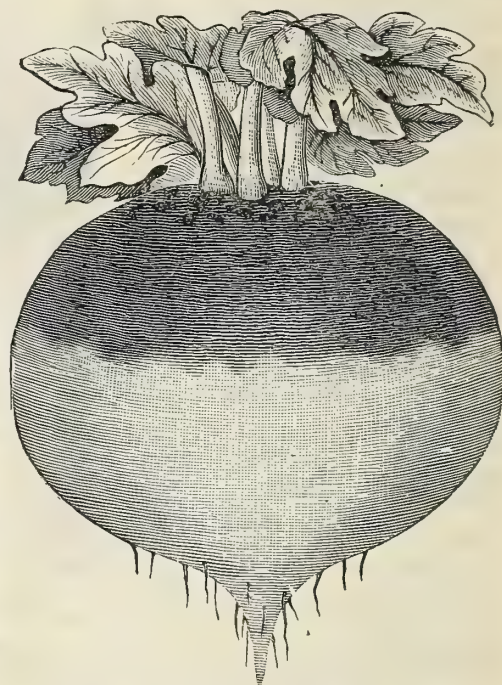
Yellow Stone. One of the best yellow flesh sorts for table use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Golden Ball, or Orange Jelly. This is the most distinct yellow Turnip we know. The flesh is of a very fine texture, making it one of the best table varieties. Its beautiful color and fine flesh have earned for it the synonym of "Orange Jelly," which well

describes its appearance when ready for the table. The bulb is of medium size, with small tap roots, and is early in maturing. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 55c.



Ruta-Baga, Improved American.



Red Top Strap Leaf.

Long White, or Cow Horn. A quick-growing, long-shaped variety; flesh fine-grained and sweet; excellent for table use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Early Purple-Top Milan. Earliest of all purple-topped turnips. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Yellow Aberdeen. A very hardy and productive variety of fine form and excellent quality. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 50c.

RUTA-BAGA

(Russian or Swedish Tarnip)

Improved American. A yellow-fleshed, purple-top variety, grown either for stock or table use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

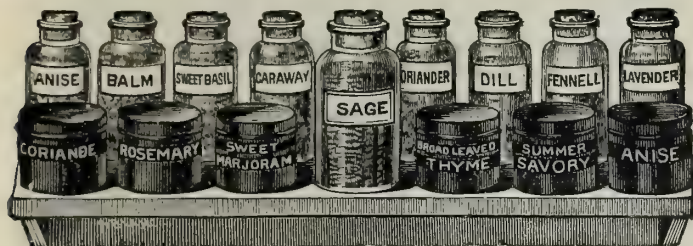
Long Island Improved. The best variety offered. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 60c.

Long White French. A delicate flavored variety; an excellent keeper and fine for table use. Per pkt. 5c., oz. 10c., $\frac{1}{4}$ lb. 25c., lb. 60c.

HERBS

SEEDS OF SWEET, POT AND MEDICINAL

Anise. For garnishing and seasoning. Pkt. 5c., oz. 10c.
Balm. Used for balm tea or balm wine. Pkt. 5c., oz. 30c.
Basil, Sweet. Used for highly seasoned dishes. Pkt. 5c., oz. 20c.
Bene. A medicinal plant. Pkt. 5c., oz. 20c.
Burnet. Pkt. 5c., oz. 30c.



Borage. Leaves used for salad. Pkt. 5c., oz. 15c.
Caraway. Used for flavoring. Pkt. 5c., oz. 10c.
Catnip. Pkt. 5c., oz. 10c
Coriander. Used chiefly for garnishing. Pkt. 5c., oz. 10c.
Dill. Used to flavor soups, etc. Pkt. 5c., oz. 10c., ¼ lb. 25c., lb. 60c.
Fennel. Pkt. 5c., oz. 10c., ¼ lb. 25c.

Horehound. Useful tonic properties. Pkt. 5c., oz. 25c.
Hyssop. For medicinal purposes. Pkt. 5c., oz. 15c.
Lavender. A popular aromatic herb, emitting a delightful perfume. Pkt. 5c., oz. 20c., ¼ lb. 60c.
Marjoram, Sweet. Popular for seasoning. Pkt. 5c., oz. 20c., ¼ lb. 60c.

Rampion. The roots and leaves are excellent as salad. Pkt. 5c., oz. 30c.

Rosemary. An aromatic herb. Pkt. 5c., oz. 20c.

Rue. Has medicinal qualities. Pkt. 5c., oz. 20c.

Saffron. Pkt. 5c., oz. 20c.

Sage. The leaves and tender tops are used in stuffing and in sauces. Pkt. 5c., oz. 15c., ¼ lb. 50c., lb. \$1.50.

Savory, Summer. Used for seasoning. Pkt. 5c., oz. 15c., ¼ lb. 40c.

Tarragon (Esdragon). True. Used for seasoning. Pkt. 25c.

Thyme, Broad-Leaved. For seasoning; also useful as a bee food. Pkt. 5c., oz. 35c., ¼ lb. \$1.00.

Winter Savory. Pkt. 5c., oz. 20c.

Wormwood. Pkt. 5c., oz. 35c.

TOBACCO SEEDS

THE BEST VARIETIES FOR EVERY TYPE.

Our Tobacco Seed is grown for us by one of the most reliable Tobacco Seed growers in the world. And the varieties listed are those of established good qualities and Pedigree Seeds, improved by continuous selection, grown on the Crown Spray of Selected Seed Stocks, true to name and of the highest vitality.

Bonanza. A White Burley cross on Yellow Oronoko, and a very superior one, possessing the qualities of both parents beautifully blended, and for the manufacturing types most popular and in the greatest demand; it is superior to either of them, for it is tougher than the Burley and more porous than the Oronoko, and therefore makes superior Wrappers, Cutters and Fillers. It stands the vicissitudes of seasons better than the Burley. Per pkt. 10c., ¼ oz. 40c., ½ oz. 75c., oz. \$1.50.

Gold Finder. A Yellow Oronoko crossed on White Burley, and in the estimation of some planters who have seen it growing, the most beautiful yet developed. Growing on the hill it is almost as white as the Burley; has the shape, won its way to favor, and is destined to become a favorite. Per pkt. 10c., ¼ oz. 40c., ½ oz. 75c., oz. \$1.50.

Big Havana. A hybrid Havana or Cuban seed-leaf. A heavy cropper, of fine texture, delightful flavor and earliest cigar variety to mature and ripen. Will make two crops from one planting in the South, whilst its earliness makes it most desirable for high latitude. The best Americanized Havana. Per pkt. 15c., ¼ oz. 50c., ½ oz. 90c., oz. \$1.75.

Comstock Spanish. This is an original pure Havana seed-leaf, developed to suitable size for wrappers and fillers by four or five years' replanting. It is held to be one of the very best varieties of cigar tobacco grown in this country. Per pkt. 10c., ¼ oz. 40c., ½ oz. 75c., oz. \$1.50.

Turkish. Grown direct from imported seed. First year's crop better than imported, as it is partially acclimated, but still retains its flavor. Per pkt. 25c., ¼ oz. 75c., ½ oz. \$1.50, oz. \$3.00.

Sumatra. De Rano, de Deli. The cream of cigar wrappers. Per pkt. 15c., ¼ oz. 50c., ½ oz. 90c., oz. \$1.75.

Choice Havana. A very superior Americanized Havana, extra fine. Per pkt. 15c., ¼ oz. 50c., ½ oz. 90c., oz. \$1.75.

Vuelta de Abajo. The finest, silkiest and highest flavored Havana grown. Where you want the best, procure our seed of first crop. First crop grown from seed imported from the Vuelta Valley. Per pkt. 25c., ¼ oz. 75c., ½ oz. \$1.50, oz. \$3.00.

Havana Seed Leaf. The largest of the Havana strain, and popular. Per pkt. 15c., ¼ oz. 50c., ½ oz. 90c., oz. \$1.75.

With each order for \$1.00 worth of Seed we will send free Maj. Ragland's Book TOBACCO, how to raise it and how to make it pay.



BIRD SEED, BIRD FOOD, ETC.

Bird Seed and Prepared Bird Food

Making a Specialty of Bird Foods, etc., our facilities are unsurpassed for producing the best articles at the most reasonable prices.

	Per lb.	Per 5 lbs.
Canary Seed. Spanish	\$0 10	\$0 40
“ “ Sicily	10	40
Rape Seed. German Summer	10	40
Hemp Seed. Imported	10	40
Sunflower Seed.	10	40

	Per lb.	Per 5 lbs.
Millet Seed. American	\$0 10	\$0 40
“ “ Imported Yellow	10	40
“ “ White	15	65
Maw Seed. Blue	20	75
Lettuce Seed	25	1 00
Unhulled Rice, or Paddy	15	65

Song Restorer, or Treat. An invigorating Tonic and Restorative for Canary Birds, Goldfinches, Linnets, and all Seed Birds. This preparation will, in every case, restore to their natural notes birds who have lost their song from the effects of cold or excessive moulting. For breeding birds and their young it is invaluable, strengthening their notes and improving their plumage. Per bottle 25c., by mail 30c.

Prepared Mocking Bird Food. (Gold Medal Brand.) For Mocking Birds, Thrushes, Blackbirds, Robins, Nightingales, Skylarks, and all Soft-bill Birds, this preparation is the purest, healthiest, and cheapest bird food known, its ingredients approximating closely to the food of birds in their natural state, and its use in all cases causing a marked improvement in their song and appearance. Per 1-lb. bottle, screw tops 25c., 1-lb. tin cans 25c., in bulk 25c. lb., 5 lbs. \$1.00.

Imported Mixed Bird Seed. In lb. boxes (full weight), 10c. each, doz. \$1.00

Washed Silver Gravel for Birds. Per qt. box 60c. doz., case of 3 doz. \$1.50.

Genuine German Bird Lime. For catching Birds, Flying Insects, etc. Per bottle 25c.

Genuine Prepared Fish Food. A perfectly pure article, specially prepared for feeding Goldfish, etc., kept in aquaria or globes. Per box 10c., doz. boxes \$1.00, by mail postpaid.

Mulerit's IXL Fish Food. This condensed fish food is prepared with great care. It contains in a handy and clean form the various foods relished by fish when in their natural homes. A portion of it, equal in volume to a grain of wheat, fed once a day, is sufficient to keep a medium sized aquarium fish in prime condition for years. One box of this food contains ample nourishment for three goldfish for an entire year. Per box 25c. postpaid.

Prepared Food for Parrots. For Parrots, Macaws, Parakeets, etc. This food is composed of a mixture of seeds, etc., recommended by the most experienced Bird Fanciers. Per lb. box 12c., doz. \$1.20.

Ant Eggs—a Treat or Relish. For Mocking Birds, Thrushes, Robins, etc. Per box, postpaid, 25c.

Poultry and Pigeon Seeds, Grains, Foods, Etc.

	Quart.	Bush.
Barley	\$0 10	\$1 25
Buckwheat	10	1 40
Canada Peas	15	2 50
Canary Seed	15	2 50
English Vetches or Tares	15	3 00

	Per lb.	Per 100 lbs.
Hemp Seed	\$0 10	\$6 00
Lentils	10	6 00
Millet Seed	10	4 00
Small Corn	10	4 00
Sunflower	10	6 00

Special prices on large lots given upon application

CLEAR GRIT. For Poultry and Pigeons—A Rich Limestone Grit. This Grit is conceded to be the best Grit in the market by poultrymen who understand what is needed in a first-class poultry yard to make it pay, it being rich in lime. Here, in Clear Grit, is the very article desired, for it is clean, sharp pieces of limestone (not gravel, which is usually abraded, but sharp, clear grit, and the grit is limestone itself). Per 5 lbs. 10c., 10 lbs. 15c., 25 lbs. 35c., 50 lbs. 50c., 100 lbs. 75c., 500 lbs. \$3.50.

BEEF SCRAPS are composed of the same ingredients as animal meal, but not ground as fine. It is not nearly as highly concentrated, and may be fed dry to fowls, just as oyster shells, bones, etc. Per 5 lbs. 25c., 10 lbs. 45c., 25 lbs. \$1.00, 50 lbs. \$1.75, 100 lbs. \$3.00, 500 lbs. \$12 50.

GRANULATED BONE. About the size of wheat and can be fed like any other food in grain. Per 5 lbs. 25c., 100 lbs. \$2.25.

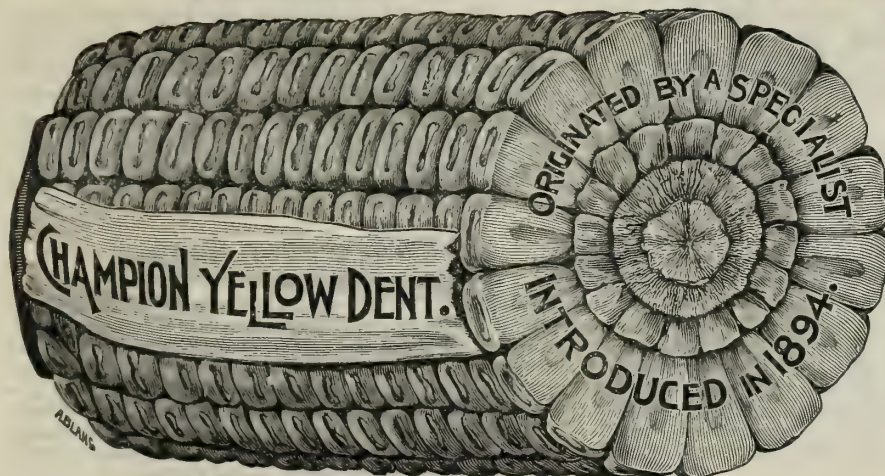
BONE MEAL. Laying hens and young chickens whose digestive powers are not strong are much benefited by this, especially during the winter months or where closely confined in yards. Per 5 lbs. 25c., 100 lbs. \$2.50.

OYSTER SHELLS, Ground. Prepared from oyster shells, thoroughly washed, dried and made sweet. Per 5 lbs. 10c., 10 lbs. 15c., 25 lbs. 35c., 50 lbs. 50c., 100 lbs. 75c., 500 lbs. \$3.50.

Special prices by ton or carload

FARM SEEDS

FIELD CORN



CHAMPION YELLOW DENT CORN

This famous corn still retains its popularity as an exceedingly early and prolific variety, always maturing in about 120 days; often shelling 62 pounds of grain from 70 pounds of ears. Kernels closely set, large, of deep orange color; cob very small and red; stalks about 7 feet in height. This is probably the best Dent Corn for general cultivation in the North, and is now largely used in the South and West, as it matures its crop before the hot winds affect it. This corn is not fully appreciated until the large yield and small percentage of cob to

corn are carefully noted. There is no Yellow Dent Corn yet discovered that can take the place of this most valuable variety. It is a safe corn for any section of country, never disappoints the grower by maturing too late, yields more corn acre for acre than any other, and has by far the most satisfactory record of Yellow Dent Corn ever introduced. Per qt. 15c., pk. 90c., bush. \$2.50.

IOWA GOLD MINE CORN

An Early Yellow Dent. A very popular Yellow Dent Corn originated in Central Iowa. It has a very long yellow grain, and very small, red cob. By a careful test, 400 measured bushels of its ears shelled out 456 bushels. It matures in about 95 days, and gives good satisfaction. Seed was grown from direct headquarters stock. Per qt. 15c., pk. 90c., bush. \$2.50

SANFORD WHITE FLINT

We have had many inquiries in the past for a white flint, but have never before been able to offer it, as it has always been a difficult matter to get hold of good seed. We now have some choice select seed of this one of the best of all flint varieties. The ears are very long, 12 to 15 inches, of handsome appearance, with large kernels of a transparent white color. The stalks are very leafy and the corn is also very productive, with usually two or three ears on a stalk. Per qt. 15c., pk. 75c., bush. \$2.50.

LONGFELLOW FLINT

The most popular of all flint varieties. It is a beautiful eight-rowed yellow flint, very slender straight ears, 10 to 15 inches long. Kernels are large and wide and cob very small. Ripens in 75 to 85 days and very prolific. Well adapted to the northern States and largely grown in northern Wisconsin and Minnesota. Per qt. 15c., pk. 75c., bush. \$2.50.

SOUTHERN FODDER, HORSETOOTH

Another white variety that no silo owner or dairy farmer should overlook. It grows 12 to 16 feet high; has broad foliage and tender stocks. There is no better fodder to keep up the flow of milk during hot weather when the grass is burned up. It will yield very heavy crops. Per qt. 15c., bush. \$1.50, 10 bush. \$1.40 per bush.

IMPROVED EARLY HORSETOOTH

Same as Southern Horsetooth, but better selected and earlier. Per qt. 20c., bush. \$1.60, 10 bush. \$1.50 per bush.

SWEET FODDER CORN

For soiling or ensilage. Profitable as green fodder; cut when green to feed cattle. Sow broadcast 2 bushels. In drills 3 feet apart 1 bushel per acre. Per qt. 20c., pk. \$1.00, bush. \$3.50.

SNOW WHITE DENT CORN

In every way the best milling corn in the world. Most free from barrenness. Highest average yielder. The rapid development during the past few years of the manufacture of white corn products has had one great hindrance in the way of much greater development, namely, the horrible quality of the corn grown. *Snow White Dent Corn*, which is by great odds the whitest, purest, densest, and most uniformkerneled, surest maturing and most free from the curse of dry rot (which is the embodiment of an ideal milling corn), we have also established bouyant cosmopolitan character and great freedom from barrenness and its attendant degeneracy—dry rot, smut, chaffiness, abortive pollenization, etc. Per qt. 20c., pk. \$1.00, bush. \$3.00.

IMPROVED LEAMING CORN

This popular and distinct variety of Yellow Dent Corn certainly has, beyond question, reached the grandest success of any Yellow Dent Corn that have ever been brought before the farming public. The stalks grow to a medium height, not large, but thick, have but few suckers, and often produce two fine ears, which in the true Leaming are low upon the stalk. The grain is long, narrow and thick, and sets very close together in the rows. The cob is medium-sized and very red. This corn husks and shells very easily, and weighs 60 to 62 pounds per measured bushel, and matures in 90 to 120 days. Per qt. 15c., pk. 90c. bush. \$2.50.

FARM SEEDS—Continued

SEED OATS

IMPORTED CLYDESDALE OATS

The most popular White Oat. We offer imported seed weighing 50 lbs. to the bushel. They yield 75 to 100 bushels of oats to the acre, and double the quantity of straw. Per pk. 75c., per bush. (50 lb.) \$2.50; 3 bush., sufficient for 1 acre, for \$7.00; 10 bushel lots, \$2.25 per bushel.

TWENTIETH CENTURY OATS

A comparatively new variety introduced by a well-known Wisconsin seed house. It seems to be quite an early oat, with a thick plump grain something like the Silver Mine. It is pure white in color, very attractive looking and has a good stiff straw. Per pk. 50c., per bush. \$1.50, per 10 bush. \$14.00.

Oats, Welcome. This is now a well-known and extensively grown variety, and is one of the heaviest, handsomest, and most productive white varieties grown. They stool heavily with extra strong, straight straw, standing well. Succeeds well in a wide range of climate, and under a great variety of soils and methods of culture. Per pk. 35c., per bush. \$1.25, per 10 bush. \$11.00.

SPRING RYE

Used as a catch crop to sow where winter grain has failed. Per pk. 75c., bush. \$2.00, 5 bush. or over \$1.75 per bush.

BUCKWHEAT

Sow about the middle of June, broadcast, 3 pks. to the acre.

New Japanese. This is a superior variety and more prolific, and yields double the weight per acre of other sorts. The grains are nearly twice as large as those of Silver Hull, and of fine color. This variety is always in demand, millers preferring it to all other sorts, and it makes the finest flour. Per pk. 50c., bush. \$1.50.

Imported Seed Japanese Buckwheat, per lb. 25c., 10 lb. \$2.00.

Silver Hull. Per pk. 50c., bush. \$1.35.

MILLET

Hungarian Millet. A species of annual millet, yielding two to three tons of hay per acre. Sow one bushel to the acre, from May up till August. It is invaluable for overcoming a shortage of the regular hay crop. Per pk. 50c., bush. \$2.00, 10 bush. or more \$1.75 per bush.

Peas for Fodder

	Per Peck.	Per Bushel.
Cow Peas, Clay's	75c.	\$2 50
" " South Black Eye	75c.	2 50
Canada Field White	75c.	2 00

Sunflower Mammoth Russian. Highly valued as an excellent and cheap food for fowls. It is the best egg producing food known. It can be raised cheaper than corn. Four pounds of seed will plant an acre. Per lb. 10c., 10 lbs. 75c., 100 lbs. \$6.00.

Artichokes, Jerusalem Roots. They are sometimes used as a table vegetable when pickled, but their greatest value is for feeding stock. They are the best hog food known. Per lb. 35c., 3 lbs. \$1.00 postpaid. By freight or express, pk. \$1.00, bush. \$3.50.

LINCOLN OAT

Is one of the very best varieties ever introduced. It is a large white oat with thin hull and heavy meat. It has always proved with us a wonderfully productive oat, a remarkably strong grower, with the stiffest straw of any. On rich black soil, we always had great difficulty to find any oats that would stand up until we got the Lincoln. Per pk. 35c., per bush. \$1.25, per 10 bush. \$11.00.

SILVER MINE OATS

This variety was first introduced in 1895, two years after the Lincoln. Great claims were made for it. It is a plump white oat; not quite as large-grained as Lincoln, but earlier than either, and this year our stock is a little heavier than Lincoln. In fact, the Silver Mine did remarkably well here last season, furnishing us the heaviest oats grown in this locality. We never thought as much of Silver Mine as we do now, although it has always proven quite a satisfactory oat. Per pk. 30c., per bush. \$1.00, per 10 bush. \$9.50.

German or Golden Millet. A valuable annual hay and fodder crop, more productive and coarser than Hungarian Grass, medium early, four to five feet high. Sow one bushel per acre. Per pk. 60c., bush \$2.00, 10 bush. or more \$1.75 per bush.

Japanese Millet. Entirely distinct from any other Millet, grows tall and produces an enormous crop. It may be sown from the middle of May to the first of July, broadcast, at the rate of 15 lbs. to the acre, but it is better to sow it in drills, 12 to 18 inches apart, using 10 to 12 lbs. per acre, and hoed between the rows to keep down all weeds until the plant attains a height of 12 to 18 inches. This variety has yielded 21 tons of green fodder per acre, and a yield of over six tons of cured hay per acre. As a soiling crop we cut it three or four times during the season, when two to three feet in height. In connection with Sojas, in alternate layers, it makes an ensilage that comes nearer to being a perfectly balanced ration than any other crop. Per lb. 10c., 10 lbs. 75c., 100 lbs. \$6.50.

SPRING WHEAT

Saskatchewan Fife. This is the most desirable variety of spring wheat. Per pk. 75c., bush. \$2 25.

Dwarf Essex Rape. The true Dwarf Essex Rape is valuable as a fattening food for pasturing sheep in autumn. It is particularly adapted as a "catch crop," for it grows best late in the season. In the Northern States it can be sown at any time from May until the end of August, but in the Southern States it should not be sown until September or October for winter pasture. Its fattening properties are said to be twice as good as clover. Sow ten to twelve pounds to the acre broadcast, or four to five pounds per acre in drills fifteen inches apart. Per lb. 10c., 10 lbs. 75c., 100 lbs. \$7.00.

MACARONI, OR DURUM WHEAT*The Most Talked About of All New Grains.*

No other crop ever jumped into prominence so quickly in the entire history of the country

The reason for this unparalleled increase, 150-fold in three years, is that experiments made by the Department of Agriculture prove conclusively that Macaroni, or Durum Wheat is in every way a superior wheat for bread making. Prof. Carleton says:

"The continual success of recent milling and baking operations has clearly demonstrated Durum Wheat has not heretofore been given its proper rank. It should properly be considered as a wheat of the highest class, ranking with hard spring and hard winter."

The seed should be sown and the crop cared for the same as any other spring wheat. It is very hardy and productive, yielding great crops in all sections. Specially fine for dry regions. Per qt. 20c., pk. 75c., bush. (60 lbs.) \$2.25.

EARLY AMBER CANE*Most Valuable for Dairy Cows*

The leading dairy farmers of the Northwest generally regard sugar cane or sorghum as the best of all fodder plants to-day for their purpose. It is only recently, however, that it has come into general use. It can be easily grown on any good corn ground, is sweet and tender and greedily eaten by cattle, horses and hogs. It yields immense crops of fodder, as high as 100 tons of green feed being claimed from one acre. Several cuttings may be made. It may also be used for pastures. Sow any time from May 15 to July 15, 12 to 15 lbs. per acre, in rows, and cultivate the same as corn. Or if sown broadcast, use 50 lbs. per acre. The Early Amber is the best variety and the most used. Per lb. 10c., 10 lbs. 40c., 100 lbs. \$2.25.

WHITE KAFFIR CORN*Yields Great Crops Everywhere*

Largely grown in the South and now coming into favor with Northern farmers. It is a variety of sorghum cultivated in the South for both forage and grain. It grows 5 or 6 feet high, with a straight, upright growth and numerous broad leaves. The stalks keep green and are brittle and juicy, not hardening up like other varieties of sorghum. It makes the best kind of fodder for cattle or horses and is easily grown. The seed is splendid for poultry. Never any failure. Sow in rows $2\frac{1}{2}$ to 3 $\frac{1}{2}$ feet apart and cultivate the same as corn, but do not sow until the ground is thoroughly warm. Five to ten lbs. will seed an acre if sown in rows, or $\frac{1}{2}$ bushel if sown broadcast. Per lb. 10c., $\frac{1}{2}$ pk. 25c., pk. 40c., bush. (50 lbs.) \$1.00. Special prices in quantity.

WHITE HULLESS BARLEY*A Great Novelty in Barley*

White Hullless is not strictly a new variety; in fact, we have had it five years. But we never have seed enough, and the fact that it is so much sought after by farmers in every section indicates that it is by no means thoroughly introduced yet. It is different from any other barley. The grain looks like wheat. It is almost as heavy as wheat, equal to wheat in feeding value, and will yield nearly twice as much. It succeeds in all barley-growing regions and also in sections where common barley is not grown at all. It is very early, thus making a splendid nurse crop for seeding with clover; is entirely beardless, with soft straw, splendid for feed. Many farmers cut it for a hay crop. It yields as high as 60 bushels per acre, and for feeding value is not surpassed by any other grain. Specially fine for poultry and for grinding for hogs. One man says: "I fattened 20 hogs with it for one butcher and made a gain of 106 pounds to the hog in five weeks. It makes sweeter meat by far than corn." Per qt. 20 cts., pk. \$1.00, bush. (48 lbs.) \$2.50.

SOY BEANS, OR SOJA BEANS*The Coming Forage Plant For Farmers in the North*

Prof. Moore says: "Soy Beans are very high in protein content and as soon as the dairymen can grow the Soy Beans successfully they can save a large amount of money, which is now being sent out of the State for protein feeds. Nearly all the farm animals eat Soy Beans readily as a grain or forage and do well upon them." At the Ex. Station at Madison as high as 50 bushels per acre of the dried beans have been grown. They are of the richest known vegetable substance and of almost inestimable value as a concentrated feed to form a balanced ration with coarser feeds. As a fertilizer even superior to clover.

Sow at corn-planting time, after the ground has become warm, broadcast if it be cut for hay, about one bushel of seed per acre. Or if to be harvested and threshed sow in rows 30 inches apart, and about 4 inches apart in the row. One peck of seed will plant an acre in this way. Cultivate same as corn. Our seed is Northern grown, the only kind which will mature in the North. Early Green Soja, per lb. 10c., pk. \$1.25, bush. \$4.00, 10 bush. lots \$3.90 per bush.

HANNA BARLEY

A new variety of barley recently introduced by the U. S. Dept. of Agriculture. It is a pedigree variety from Europe, and is spoken of as "the great favorite barley among German and Austrian brewers." It is noted for its earliness, and very plump kernels. It is a two-rowed barley. Per qt. 5c., pk. 75c., bush. (48 lb.) \$2.00.

SAND or WINTER VETCH

Sometimes called Hairy Vetch. The most valuable of all vetches. It succeeds on nearly all soils and is specially recommended for poor land, where it thrives and improves the soil wonderfully, as it is very rich in nitrogen. It belongs to the pea family but the vines are more leafy and longer. It may be sown in the spring or in the fall, preferably with rye. It remains green all winter and is valuable for early pasturing as well as a fertilizer. Sow 1 bush. per acre with $\frac{1}{2}$ bush. rye or wheat. Per lb. 12c., bush. (60 lbs.) \$6.50, 100 lbs. \$9.50.

BROME GRASS (Bromus Inermis)*Most Valuable New Grass Introduced in the Last Twenty-Five Years*

Bromus adapts itself to nearly all conditions of soil and climate and yields enormous quantities of hay and makes abundant pasture. It defies drought and is not affected by frost. A decided success. We have a fancy lot of seed to offer this year.

Prof. Shepard furnishes Cultural Directions for the seed as follows:

"Prepare the ground in the spring as for oats. Sow ten pounds per acre broadcast on a still day, harrowing the seed in as for oats. In order not to lose the use of the ground the first year one bushel of oats per acre may be used as a nurse crop. When the oats are ready for hay, mow and remove the hay so the young grass may not be smothered. If a rank growth of weeds occur, mow a second time later in the season. Do not pasture the first year. The grass is inconspicuous and tender the first year. Do not plow it up thinking the stand is insufficient. Many fine fields of Brome Grass have been lost in this way. Brome Grass spreads from the roots like Blue Grass. The second year a crop of seed and a crop of hay may be secured. When the seed is ripe cut high with a binder, shock and thresh same as oats. In about two weeks cut the hay with a mower. If preferred, the Brome Grass can be pastured the second year. After the first year Brome Grass will hold its own and is not easily killed except by plowing." Per lb. 20c., bush. (14 lbs.) \$2.60, 100 lbs. \$16.00.

GENERAL LIST OF GRASSES AND CLOVERS



Red Top.

HARD FESCUE (*Festuca Duriuscula*). One of the most desirable dwarf grasses; excellent for dry soils. Per bush. \$2.50, lb. 25c., postpaid.

MEADOW FESCUE (*Festuca Pratensis*). A valuable grass for permanent pastures; very productive and nutritious. Per lb. 35c., postpaid.

SHEEP FESCUE (*Festuca Ovina*). An excellent grass for sheep pastures. Per lb. 35c., postpaid.

English Rye Grass (*Lolium Perenne*). A very nutritious, rapid-growing variety, valuable for meadows and pastures. Per bush. (24 lbs.) \$2.50, lb. 25c., postpaid.

Italian Rye Grass (*Lolium Italicum*). A valuable European variety, adapted to any climate, and produces large and nutritive crops. Per bush. (18 lbs.) \$2.50, lb. 25c., postpaid.

Rough Stalked Meadow Grass (*Poa Trivialis*). Produces an abundant crop of highly nutritious herbage; valuable for either moist or dry soils. Per lb. 50c., postpaid.

Wood Meadow Grass (*Poa Nemoralis*). A very productive and nutritive grass, adapted for lawns or pastures. Thrives well under trees. Per lb. 50c., postpaid.

HUNGARIAN GRASS (*Panicum Germanicum*). This is a species of millet, growing less rank, with smaller stalks, often yielding two or three tons of hay per acre; 1 bushel per acre. Per bush. (48 lbs.) \$2.00, lb. 25c., postpaid.

Red Top. Choice seed. Per bush. (14 lbs.) \$2.00, lb. 20c., postpaid.

Fancy Red Top. Clean seed, free from chaff. Per bush. (32 lbs.) \$5.00, lb. 25c., postpaid.

Kentucky Blue Grass (*Poa Pratensis*). Well-known and extensively grown in all parts of the country. Per bush. (14 lbs.) \$2.25; lb. 25c. postpaid.

ORCHARD GRASS A valuable pasture grass, relished by stock of all kinds; particularly adapted for growing in shady places. Per bush. (14 lbs.) \$2.75; lb. 30c., postpaid.

TIMOTHY. A variety well-known and highly appreciated, producing a profitable hay crop in almost any soil; $\frac{3}{4}$ bush. per acre. Per bush. (45 lbs.) \$3.00 per bush.

Meadow Foxtail (*Alopecurus Pratensis*). One of the earliest and best pasture grasses; grows rapidly when cut or eaten down by stock. Per bush. (7 lbs.) \$2.50, lb. 40c., postpaid.

Sweet Vernal Grass (*Anthoxanthum Odoratum*). Prized more for its early growth than nutritive value. It should be sown in connection with other grasses. Per lb. 85c., postpaid.

TALL OAT GRASS (*Avena Elatior*). Producing an early and luxuriant growth; this is a valuable variety for pastures. Per bush. (10 lbs.) \$2.75, lb. 40c., postpaid.

Johnson Grass. Per bush. (25 lbs.) \$4 00, lb. 30c., postpaid.

Rhode Island Bent (*Agrostis var.*). Excellent for lawns or pastures. Per bush. (14 lbs.) \$5.25, lb. 50c., postpaid.

CRESTED DOGSTAIL. An excellent grass for hard, dry soils; valuable for pastures and lawns. Per lb. 50c., postpaid.



Timothy.

CLOVER SEEDS.

	Weight per bush. lbs.	Per bush.	Per lb.	Per 100 lbs.
Red Clover, Medium (<i>Trifolium Pratense</i>). Common or medium clover. The leading variety of clover for pastures or meadows.	60	\$12 00	\$0 25	\$20 00
White Dutch Clover (<i>Trifolium Repens</i>). The best variety for lawns, as it forms a close herbage and remains green throughout the season. It is also valuable when mixed with grass seeds for pasture.	60	15 00	30	25 00
Alfalfa, or Lucerne (<i>Medicago Sativa</i>). One of the best varieties, succeeding especially in the South and West, and bearing heavy crops of forage. For bringing up poor land it is one of the best of the clovers. Sow early in the spring to secure a good stand before winter. 20 lbs. to the acre.	60	12 00	25	20 00
Alsike, or Swedish (<i>Trifolium Hybridum</i>). Hardest of all clovers, and on rich, moist soils, yields an enormous quantity of hay or pasturage. Lasts many years. Valuable for sowing with other clovers or grasses, as it forms a thick bottom and increases the yield of hay. Sow 6 lbs. per acre when used alone.	60	15 00	30	25 00
Crimson or Scarlet Clover. It can be seeded at any time from June to October, at the rate of 15 to 20 lbs. per acre, and makes the earliest possible spring pasture, blooming the latter part of April or May, and for feeding as hay should be cut just before coming into full bloom. If sown with Italian Rye Grass or Orchard Grass, which matures at the same time, it yields luxuriant and nutritious crops for pasture. Sow Crimson Clover at the last working of all crops like Beans, Corn, Melons, Cucumbers, Tomatoes, and other crops.	60	7 20	15	12 00

Prices on Grass Seed and Clover subject to change without notice.

Stumpp & Walter Co.'s High Grade



Lawn Grass Seed

For Lawns, Grass Plots, Tennis Courts, Cricket Grounds, etc.

Weights 22 lbs. per bushel.

Our "High Grade" Lawn Grass Seed is composed of the very finest re-cleaned grasses, free from weeds and all foreign matter, and where a strictly first quality *Grass Seed* is wanted, we recommend this grade of *Seed*. While the price, \$5.00 per bushel, may seem high, remember our seed weighs 22 lbs. to the measured bushel, and requires only 3 to 4 bushels to the acre for new lawns, and 1 to 2 bushels for renovating old lawns.

Sow S. & W. Co.'s "High Grade" Lawn Grass Seed and you will obtain a beautiful deep green lawn, which, owing to the varieties used in this mixture, will retain its velvety appearance during the entire summer.

One quart of our "High Grade" Lawn Grass Seed is sufficient to sow about fifteen feet square; an acre will require from three to four bushels. To produce a good lawn it is always best to sow the seed thickly.

Price.

Per quart, 25 cts.; per 4 quarts, 85 cts.; per 8 quarts, \$1.50; per bushel, \$5.00; per 10 bushels, \$45.00.

Central Park Lawn Grass

The Dwarf-Growing Seed we offer under the above name is the same mixture of selected seeds as has been furnished for several years to the Department of Parks and to most of the Florists and Gardeners of New York City and Brooklyn.

One quart of the Central Park Mixture is sufficient to sow about fifteen feet square; an acre will require from four to five bushels. To produce a good lawn it is always best to sow the seed thickly.

Price of Central Park Lawn Grass.

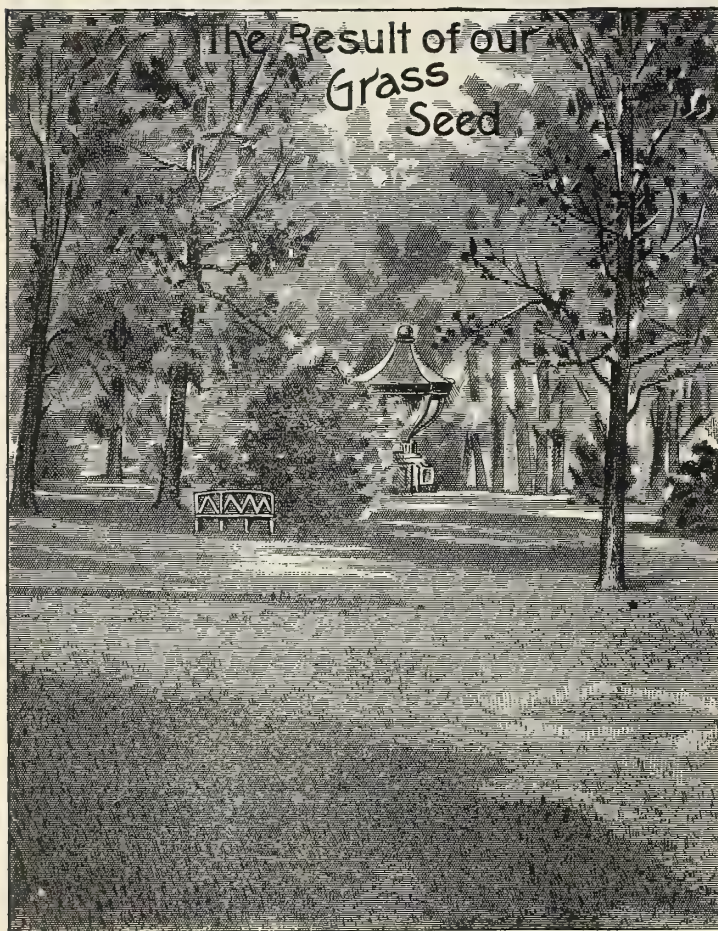
Pint packages, each 10 cts., by mail, 15 cts.; Quart packages, each 20 cts., by mail, 30 cts.;

Per ¼ peck, 60 cts.; per peck, \$1.00; per bushel, \$3.50.

Lawn Grass Mixtures

FOR SPECIAL SITUATIONS

HAVING made a special study of grasses we invite correspondence on the subject, and are always willing to advise, as far as our knowledge will permit, how to secure the desired results, or will cheerfully prescribe for whatever the requirements of any special plot may be. With a view to overcome difficulties in getting grass to grow, generally the result of using mixtures of grasses not adaptable for the peculiar situations and conditions, we offer herewith a few Special Mixtures, made up of varieties which will thrive in these situations, and under the conditions for which they have been prepared.



Shady Place Lawn Seed

There is nothing more annoying in caring for a lawn than the bare, unsightly spots under the trees, shrubs, etc., and invariably all efforts have failed to get the grass to grow in such places; but by sowing this mixture the difficulties will be overcome. It is a combination of dwarf-growing varieties which will do well in all shaded places, being found in their natural state in woods and other sheltered spots. Per qt. 35c., 4 qts. \$1.00, 8 qts. \$1.75, bush. (20 lbs.) \$6.00.

Terrace Sod Lawn Grass

To Grass a Bank or Terrace.—

For each square rod, take two quarts of lawn grass seed and mix it thoroughly with six cubic feet of good, dry garden loam. Place it in a tub, and add liquid manure, diluted with about two-thirds of water, so as to bring the whole to the consistency of mortar. The slope must be made perfectly smooth, and then well watered, after which the paste should be applied, and made as even and as thin as possible.

A special mixture of grasses best suited for sowing on terraces and side hills—grasses that produce strong spreading roots, thus preventing heavy rains from washing them out; that will withstand drought and exposure, thrive on shallow soils, and at the same time produce a rich, green turf throughout the season. Per qt. 35c., 4 qts. \$1.00, 8 qts. \$1.75, bush. (20 lbs.) \$6.00.

Golf Link Grass Mixture, for Putting Greens. Weighs 22 lbs. to bushel. Per qt. 30c., 4 qts. \$1.00, 8 qts. \$1.75, bush. \$6.00.

Golf Link Grass Mixture, for Outlying Grounds. Weighs 16 lbs. to bushel. Per qt. 15c., 4 qts. 50c., 8 qts. 75c., bush. \$2.50; in large quantities, \$2.25 per bush.

Special Prices Quoted on Larger Quantities



STUMPP & WALTER CO.'S

Grass Seed M I X T U R E S



*FOR HAY and
PERMANENT
PASTURE*

FOR every different kind and condition of soil there are a large number of grasses, either indigenous or introduced, which are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early and others so late that from the beginning of spring until winter sets in there is no time when one species or another is not at its best. From these considerations the importance of sowing many varieties for pasture and meadow purposes will be apparent, consisting of the following varieties: Orchard Grass, Meadow Foxtail, Sheep's Fescue, Rhode Island or Creeping Bent, Hard Fescue, Sweet-Scented Vernal (True Perennial), Meadow Fescue, English Rye Grass, Italian Rye Grass, Red Top, Timothy and Red Alsike Clover, blended in proportions which, we have found from actual use, give the most satisfactory results.

On ordinarily fertile soil three bushels of this mixture are sufficient to seed an acre, but where the land is poor a larger quantity will be necessary. Taking one soil with another, a fair average would be three bushels to the acre.

For Hay and Permanent Pasture for Light Soils,
 " " " " " Medium Soils,
 " " " " " Heavy Soils,
 " Orchard and Shady Places.
 " Hay only. Specially recommended for large hay crop.
 " Pasture only. Will stand close cropping without injury.

\$2.50 per bushel of 14 lbs.
 20 bushel lots, \$2.45 per bushel
 50 " 2.40 "
 100 " 2.35 "

FLORAL NOVELTIES AND RARE AND VALUABLE VARIETIES OF FLOWER SEEDS

New Hardy Red Sunflower

This sensational red Sunflower is a cross between *Helianthus Multiflorus* and *Echinacea*. The plants attain a height of 5 to 6 feet, and the flowers measure 6 to 8 inches in diameter. They flower from June until September. This gigantic red Sunflower will be of great value for the hardy garden, and herbaceous border, supplying a color that is very much needed. Seed sown early will produce a few flowers the first season, but are never at their best until the second year. Per pkt. 25c., 5 pkts. \$1.00.

Three Fine Lobelias

Magenta Queen. The existing want of a really good red color in the Lobelia assortment suggested to us to bestow great care upon the culture of the above sort, which first appeared in the well-known Lobelia, "Prima Donna." This new sort flowers very freely, and from the center of its vivid red flowers shines a large white eye, which shows off the new fashionable hue to great advantage. Per pkt. 10c.

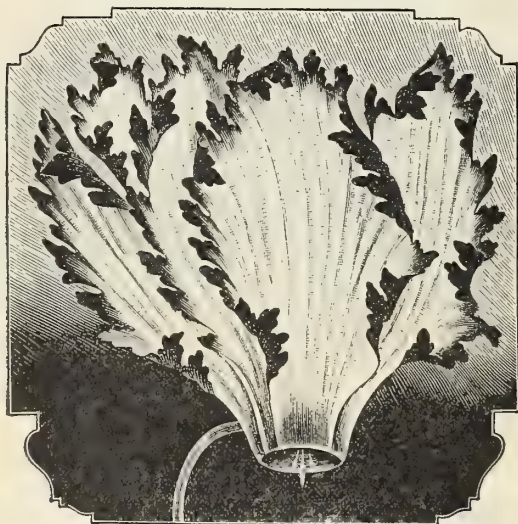
Pumila Splendens. Dark blue, white eye. Per pkt. 10c.

White Gem. Pure white. Per pkt. 10c.

These three varieties are excellent for beds or borders, as the combination of colors is very rarely found in any other plants. One packet each of the three varieties for 25c.



New Hardy Red Sunflower



Cyclamen Hybr. Fimbriatum "Triumph of Lyons"

Cyclamen Hyb. Fimbriatum (Triumph of Lyons)

This new race, due to the patient labors of the celebrated Lyons Nurseryman, Mr. A. Combet, is the result of a cross between the *C. Papilio* and the *C. fimb. splendens*.

It is taken from one parent, the elegant crisped form of its flowers, and from the other, the agreeable coloring of the edge of the petals. The selection has been pursued in order to obtain *very large* flowers, opening very well (which is often wanting in the *C. Papilio*), carried on stems very long and rigid. This new race has, in a word, the excellent habit of the Caillaud strain, so much appreciated, with flowers of the most handsome coloring, and has very ornamental leaves.

The *C. Triumph of Lyons* will quickly obtain a real success, as much in nurseries as in amateurs' collections. Price per pkt. (20 seeds) 50c., 3 pkts. \$1.00.

*Collarette Dahlia.*

NEW COLLARETTE DAHLIA

This type of Dahlia is one of the most fascinating of all the Dahlia family. Our strain of this is exceptionally fine and contains all the latest and newest varieties. Seed sown in the open, early in May, will give a profusion of bloom during the same season.

Lovers of this flower should therefore order a trial package, which will render them a pleasant surprise. The seed which we offer has been selected, not only from the different varieties on the market, but also from a good number of others, of which we are the sole possessors, so that a considerable variety is assured. Finest mixed, per pkt. 25c., 5 pkts. \$1.00.

POPPY "THE SHIRLEY"

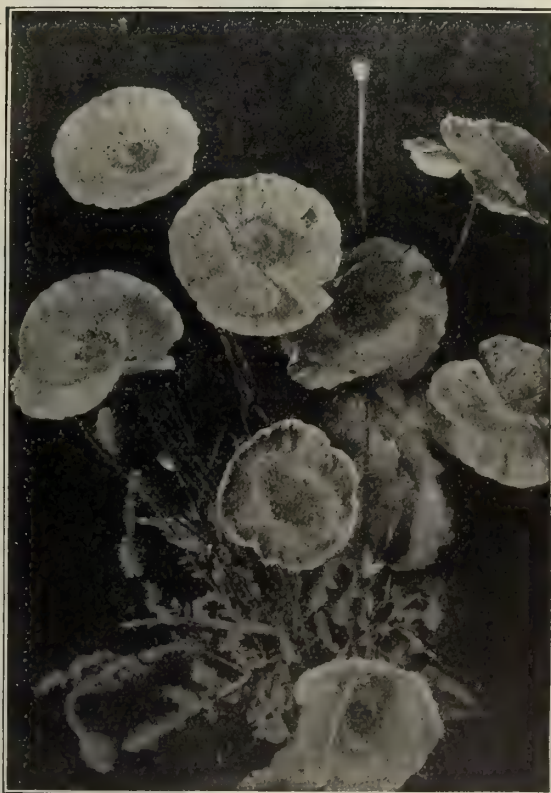
In Twelve Separate Colors

Have been some years selecting this lovely and popular flower into distinct and separate colors, principally with the idea of making our Special Mixture (which has given such satisfaction) to contain a really good mixture of color, instead of the usual large preponderance of rose and red shades, and having now sufficiently fixed them, we offer them in the following twelve colors: Rosy pink, frilled edge—orange scarlet, white center—pure white—rosy pink, white edge—orange pink, white center—deep pink—pink, white base—deep apricot—white, salmon pink edge—apricot and white—white shaded pink—orange pink, white edge. Collection 12 varieties as above, \$1.50.

DAHLIA SEED

Pointed Petaled Cactus Mixed

The seed we are offering of this mixture has been saved by one of the best growers in Europe, and contains seeds from all of the very finest strains, as well as a good many unnamed seedlings. Price per pkt. 25c., 5 pkts. \$1.00.

*Shirley Poppy.*



Scabious Tall Double "Azure Fairy"

Scabious Tall Double "Azure Fairy"

This was introduced some four years ago but was so untrue and mixed with other colors that we have been very carefully selecting and fixing it ourselves and have now produced a true and very select stock of this very lovely pale blue annual. It is almost identical in color with the beautiful Perennial Scabiosa Caucasica, a color quite distinct in the annual varieties. Per pkt. 25c., 5 pkts. \$1.00.

CANDYTUFT Dwarf Large-Flowered Hybrids

In 7 Separate Colors, viz., White, Crimson, Pale Mauve, Brick Rose, Lilac, White shaded Rose.

We have been selecting and improving this very fine strain of Candytuft for some years and have for some time been offering it in Mixture, but we have not until now been able to offer in distinct and separate colors. Plants of this strain are dwarfer and much more compact than the ordinary varieties of Candytufts, with 4 to 5 times as many and much larger flowers. Each plant forms a bush full of flowers. Per pkt., any color. 10c., $\frac{1}{2}$ oz. 50c., oz. 75c. Collection 1 packet each 7 varieties, 60c.



Godetia Sunset

GODETIA SUNSET

Dwarf, compact; the most dazzling color of all, rosy crimson, and by far the most compact, forming perfect bushes of bloom, nine inches in height. Per pkt. 10c., $\frac{1}{4}$ oz. 25c., oz. 90c.



Candytuft

NEW HARDY ANNUAL

Collection of Eight Varieties

NICOTIANA SANDERÆ

Purple, white, pink, dark and light red, crimson, violet, salmon

Gold Medals have been awarded to these varieties by the Royal Horticultural Society at the Temple Show, May 31, 1904; at the Holland House, July 12, 1904; at the Temple Show, 1905; also at the Royal Botanical and Horticultural Society of Manchester, June, 1905.

These are the hardy annuals of the century. As a useful and beautiful garden plant, they have no equal, and are unapproached and unapproachable—even the great beauty of *Nicotiana Sanderæ* is quite eclipsed by these new hybrids, and the culture is simplicity itself. The most easily cultivated annual is not more readily grown than these magnificent, new *Nicotianas*. They thrive in any soil or situation, either in pots, boxes, or the open ground; and if wanted for the decoration of the cold greenhouse or conservatory there is no difficulty in having a glow of colors—pink, mauve, heliotrope, purple, crimson, rose and white—in huge masses for cutting all through the spring months. As a cut flower, they are charming by daylight or artificial light. They have no equal—not even the beautiful rose, purple, and white *Calanthes* can surpass this grand plant in a cut state, lasting well and opening their blossoms in water. Plants raised from seed sown in October last have been in bloom since the first week in March and will continue to flower until November next, producing new flowering stems from the base of the plant.

Plants raised in February, and grown on in cold frames, will flower in May; and if planted in the open ground, will continue to bloom all the summer and autumn, making extraordinary branched specimens, and retaining their leaves to the ground.

There is nothing that we know of among *Nicotiana* so floriferous, gracefully and copiously branching in habit. The whole plant is laden with flowers from the base to its summit; the handsome blossoms are produced in hundreds on a single plant. Its hardiness and character of producing flowers continuously are very great recommendations, and we know of no plant that gives such a great abundance of flowers for the little care it is necessary to bestow on it. It is a plant for universal use, and every one can grow it successfully.

These hybrids have been produced by patient effort in selecting and hybridizing of *N. Sanderæ*, *N. alata*, *N. affinis*, and *N. Forgetiana*, with the result that we are now able to offer in so many bright colors these handsome, showy varieties, which wherever exhibited have been the admiration of all beholders, and been awarded the highest possible honors. They will prove a most valuable acquisition, and be in greater demand even than the exceptionally useful *N. Sanderæ*. Collection 8 varieties 35c., 3 collections \$1.00.

*Nicotiana Sanderæ.*

Plant showing bushy habit and floriferousness reproduced from a photo.

Plant showing bushy habit and floriferousness reproduced from a photo.

*Stokesia Cyanea.*

A Beautiful Hardy Perennial

Stokesia Cyanea

Or Cornflower Aster

This beautiful native hardy plant is not yet so well known as it should be. Without doubt the most valuable novelty of recent introduction. No garden, large or small, should be without it. No picture, be it ever so perfect, can do justice to its delicate beauty. When once seen every one will want a bed of them. As a single specimen or group in the hardy border it makes for itself a place that cannot be filled by any other hardy plant, while for beds or masses of any size, it ranks with the Phlox, Peony and Iris. It is of the easiest culture, growing easily from seed and also multiplied by division of the plant. The plants grow from 16 to 24 inches high, and in the North bloom from July to late in October, while in the South they bloom during May and June, with occasional blooms later if kept well cultivated. Although a native of the Sunny South, it seems to grow equally well all over the North and is reported perfectly hardy as far North as Northern Wisconsin. Its beautiful centaurea-like blossoms of a delicate lavender-blue color are highly valuable for cutting, supplying a shade of color not overly plentiful at any season of the year. It starts off rather slowly when first set out and is far superior the second year after setting, so should be set where it can make a permanent bed. Price, pkt. 25c., 1/2 oz. \$1.00, 1/4 oz. \$1.75.

GENERAL FLOWER SEEDS

LIST OF

*Abutilon.*

ABRONIA. Verbena-like plants, very fragrant, especially toward evening. Charming trailers for vases, rockwork, etc. Half-hardy annual.

Umbellatum, rosy pink, height, $\frac{3}{4}$ ft. Pkt. 5c.

Arenaria, lemon yellow, height, $\frac{3}{4}$ ft. Pkt. 5c.

ABRUS PRECATORIUS (Prayer Bean, Crab's Eye). Chiefly remarkable for its small egg-shaped seeds, which are of a brilliant scarlet color, with a black mark. These seeds are used for necklaces and other ornamental purposes. Pkt. 10c.

ABUTILON. Large bell-like flowers, various colors; strong growers, flowering continually, suitable for house in winter and garden in summer. Tender perennial. **New Mixed Hybrids.** Per pkt. 10c.

ACACIA. Decorative greenhouse shrubs with elegant foliage; flowers yellow, white or red, 3 to 6 ft. Perennial.

Mixed Varieties. Per pkt. 5c.

ACROCLINIUM (Everlasting). Very graceful plants, much used for winter bouquets. The flower heads should be gathered when young, if to be preserved. Half-hardy annual.

Rose, white or mixed, 1 ft. Per pkt. 5c. **Double**, rose, white or mixed, 1 ft. Per pkt. 5c.

ADLUMIA (Mountain Fringe). Charming climber, beautiful feathery foliage, rose-colored flowers. Hardy biennial.

Cirrhus, 15 ft. Per pkt. 10c.

ADONIS. Very popular border plant of easy culture, showy and free bloomers. Hardy annual.

Aestivalis (Flos Adonis). Crimson, 1 ft. Per pkt. 5c.

Vernalis (Hardy Yellow Adonis). Produces large yellow flowers in early spring, $\frac{3}{4}$ ft. Per pkt. 5c.

AGAPANTHUS UMBELLATUS (African Lily). A beautiful tuberous-rooted plant. Blue flowers; tender perennial. Per pkt. 10c.

ALONSOA (Grandiflora). Bright little annuals of fine habit; requires some protection in cold weather. Sow in hotbed, and plant out early in May. Per pkt. 5c.

AGROSTEMMA. Showy flowers of various colors, borne freely; fine for beds. Hardy perennials, $1\frac{1}{2}$ ft.

Mixed. Per oz. 40c., pkt. 5c.

ARCTOTIS GRANDIS. Remarkably handsome new annual from Southwest Africa, growing luxuriantly in our climate and forming profusely branched bushes of about 2 to $2\frac{1}{2}$ feet in height and breadth. Leaves are soft and whitish on both surfaces. Its flower heads, borne on long stems and rising well above the foliage, are large and showy, from $2\frac{1}{2}$ to 3 inches across. Per pkt. 10c.

*Dwarf Ageratum.*

AGERATUM.

This indispensable plant keeps up a constant succession of bloom from early summer till frost. Fine for bedding. Annuals.

Top Thumb.

Blue, $\frac{3}{4}$ foot. Per oz. 60c., pkt. 5c.

White, conspicuous. Per pkt. 5c.

Princess Pauline, sky-blue flowers, white centers, 3 inches. Per pkt. 10c.

Little Dorrit, compact, 6 inches, blue. Per pkt. 5c.

Little Dorrit, white. Per pkt. 5c.

Mixed Varieties. Per oz. 60c., pkt. 5c.

*Acroclinium.*

*Sweet Alyssum.*

ANTIRRHINUM. This is a great favorite, of the easiest culture, unsurpassed for summer or fall flowering. Splendid for bedding and edgings. Hardy annual.

Queen Victoria. This splendid new snapdragon combines the elegant fine cut foliage characteristic of the improved varieties, with unusually large flowers of a brilliant white. A very handsome variety. Per pkt. 25c.

	Per pkt.
Dwarf White , striped purple yellow or scarlet	\$0 05
Tall Grandiflorum album , pure white	10
" " Brilliant scarlet, golden and white	10
" " Striatum , fine striped varieties	10
" " Crescia , fine deep scarlet	10
" " Yellow and orange	10
" " Striped Red	10
" " Mixed Per oz. \$1.00	10
Tall Mixed " 50	05
Dwarf Mixed , 1 foot " 50	05

AQUILEGIA (Columbine). The Aquilegias are fine, free flowering, hardy border plants. No garden should be without them. Hardy perennials.

Double Mixed. Per oz. 50c., pkt. 5c.

Single Mixed. Per oz. 50c., pkt. 5c.

ANEMONE. Very beautiful spring flowers. Hardy Perennials.

	Per pkt.
Chinensis , fine mixed, 1 foot	\$0 05
St. Brigid , large handsome flowers, mostly semi-double	10
Japonica Honorine Jobert , giant white	10
" Elegans Rose	10
" Queen Charlotte , new cream rose, very fine .	20
Collection, 1 pkt. each, 5 varieties, 50c.	

ARISTOLOCHIA (Dutchman's Pipe). A very attractive and highly ornamental climber, with flowers resembling the Pitcher plant. Hardy perennial.

Sibbo. Per pkt. 10c.

ALYSSUM. These favorites are easily cultivated, either in the garden, window boxes, or vases, etc. Also well adapted for ribbon gardening. Hardy annuals.

	Per oz.	Per pkt.
Sweet Alyssum , white, 1 foot	\$0 25	\$0 05
" " (Little Gem), one of the finest plants for edging or ribbon work .	50	05
Saxatile Compacta , hardy, dwarf, golden yellow	60	05
White Carpet (compactum procumbens), pure white, grows only two or three inches high and flowers profusely	1 00	10

AMARANTHUS. Fine ornamental leaved foliage plants, invaluable for bedding, their foliage running into scarlet, crimson, yellow, variegated, etc. Hardy annual.

	Per oz.	Per pkt.
Candatus (Love-Lies-Bleeding)	30c.	5c.
Tricolor (Joseph's Coat)	30c.	5c.
" Firebrand (Superbus)	30c.	5c.
" Henderil	30c.	5c.
" Salicifolius	30c.	5c.
" Mixed	30c.	5c.

AMPELOPSIS VEITCHII (Boston or Japan Ivy). Valuable, hardy and perennial climber, clinging to the walls of wood, brick or stone, foliage dense, of glossy green, changing to red and yellow in the autumn. Per pkt. 10c, oz. 30c.

ANGELONIA. Beautiful for pot culture, with spikes of sweet-scented blue flowers; large flowering. Per pkt. 5c.

ANAGALLIS. Free blooming bedding plants.
Grandiflora Mixed. Per pkt. 5c.

ASPERULA. Free bloomer and sweet scented. Chief ingredient of the Maitrank. Per pkt. 10c.

*Anemone.*

ASTERS

(*Callistephus*.)

These are among the prettiest annuals in their season, blooming profusely, and producing, in great profusion of color, flowers of the most perfect and beautiful form. Asters can be grown very nicely in pots for early blooming and also for early winter use; half-hardy annuals.



TRUFFAUT'S PERFECTION ASTERS

A very popular class. Very large flowers, almost round, with incurved petals; 2 feet.

White, fiery scarlet, blood red, rose, crimson, light blue, dark blue, mixed. Per pkt. 10c. Imported collections, 6 varieties, 50c.; 12 varieties, \$1.00; per 1000 seeds, \$1.00.

DAYBREAK ASTER

A most beautiful bushy, branching Aster, growing about 2 feet high, with large double flowers composed of incurved petals, almost as regularly placed as in a Dahlia. The coloring is an exquisite tint of rosy shell pink, the flowers are borne upright on stiff, long stems, and the plants in bloom are charming beyond description, and for cutting purposes there is not a finer Aster grown. Per pkt. 10c., 1000 seeds \$1.00.

GIANT OSTRICH FEATHER ASTER

Immense flowers, 6 inches across, resembling the Giant Comet, but the petals longer, narrower and more curled; very graceful.

White or pink. Per pkt. 10c., 1000 seeds \$1.00.

GIANT COMET ASTERS

Flowers of immense size, often 6 inches across, composed of long, wavy, twisted petals, gracefully formed into loose, yet densely double half globes. Each plant bears 15 to 20 flowers on very long stems, making them especially valuable for cutting.

Light blue, dark blue, light rose, white, scarlet, crimson, mixed. Per pkt. 10c., 1000 seeds \$1.00. Imported collections, 6 varieties, 50c.; 12 varieties, \$1.00.

WASHINGTON ASTERS

Produce large flowers of perfect form. Height, 2 feet.

Tinted rose, carmine, scarlet, light blue, white, mixed. Per pkt. 10c., 1000 seeds \$1.00.

CHRYSANTHEMUM FLOWERED ASTER

Finest of all dwarf varieties. Flowers are produced in immense clusters of 20 to 30 to a plant, and are very full and double.

White, height 10 inches, fiery scarlet, light blue, brilliant rose, dark blue, mixed. Per pkt. 5c. Imported collections 6 varieties, 25c.; 12 varieties, 50c.; 1000 seeds 50c.

NEW DWARF COMET ASTER EMPRESS FREDERICK

A pure white Dwarf Comet Aster, flowers measuring 4 to 5 inches in diameter. For complete description see Novelties. Per pkt. 25c., 5 pkts \$1.00.

CHRISTMAS TREE ASTER

Distinct early blooming race of peculiar habit, branching out horizontally in the shape of a fir tree. It grows about 1½ feet high, and the lower branches have a spread of 2 feet. The flowers are globe-shaped, often 80 to 100 appearing on one plant. Mixed colors. Per pkt. 10c., 500 seeds \$1.00.

SEMPLE'S GIANT LATE-FLOWERING ASTERS

A handsome strain of late-flowering Asters. Superior to all other sorts of this class, lengthening the Aster season until frost. The flowers are very large, measuring 4 inches in diameter, of purest colors, and are borne on long stems. They begin to bloom in August.

Pure white, lavender, dark purple, shell pink, bright crimson, bright rose, mixed. Per pkt. 10c., ¼ oz. \$1.00, oz. \$2.00. Collections 6 varieties, Semple's Aster, 50c.

QUEEN OF THE MARKET ASTER

Fully three weeks earlier in blooming than any other Asters. Flowers large and of fine form. Height, 1½ ft.

White, crimson, dark blue, rose, azure blue, light blue, lilac red, flesh color. Per pkt. 5c., 1000 seeds 50c. Imported collections, 6 varieties, 25c.



Queen of the Market Aster.

VICTORIA ASTERS

One of the handsomest varieties, both in size and color. They bloom profusely, and the colors include many extremely delicate and some bright colors.

White, fiery scarlet, deep purple, light blue, deep rose, apple blossom, mixed. Per pkt. 10c., mixed 5c., 1000 seeds \$1.00. Imported collections, 6 varieties, 25c.; 12 varieties, 50c.

LADY ASTER

Distinct by its graceful habit and light green ensiform foliage. Of unapproached freedom of blooming, from 40 to 70 buds, borne on slender stems, being successively produced by one plant, mixed colors. Per pkt. 10c., 1000 seeds \$1.00. Collection, 3 varieties, 25c.

*Lady Aster.***TRIUMPH ASTERS**

Beautiful dwarf Asters, 7 to 8 in. high, bearing 30 to 40 flowers from $2\frac{1}{4}$ to 3 in. across, of faultless form and exquisite beauty.

Very fine for bedding or pots.

Dark scarlet, white, dark violet or mixed. Per pkt. 10c.

QUEEN OF THE EARLIES

The earliest of all Asters. Plants dwarf, bloom freely, the flowers being borne on long stems. Fine for cut flowers. Pure white. Per pkt. 10c.

JAPANESE TASSEL ASTER

Immense flowers 5 to 6 in. across, with long, narrow, curly petals, giving the appearance of disheveled Japanese Chrysanthemums; plants vigorous and free-flowering about 15 in. high.

Mixed colors. Per pkt. 5c., 500 seeds 25c.

ORNAMENTAL ASPARAGUS.

Plumosus Nanus. A greenhouse perennial climber, with graceful and feathery lace-like foliage. Per pkt. 15c., 100 seeds \$2.00.

Sprengeri. Per pkt. 10c., 100 seeds \$1.00.

BARTONIA AUREA (Golden Barton). One of the showiest and brightest of garden flowers; large golden blossoms borne in great profusion all summer. 1 ft. Per pkt. 5c.

*Asparagus Plumosus Nanus.*

BALSAM (Lady's Slipper). The well-known Balsams, or Lady's Slipper, are among the finest summer-blooming annuals, free bloomers and highly colored. By transplanting them once the flowers are apt to be more double. Half-hardy annual. Height, 2 ft.

Camellia-flower, white, per oz. \$1.00 per pkt. 10c.

“ “ mixed, “ 1.00 “ 10c.

Finest Double, “ .50 “ 5c

Imported Collections, 6 vars., 25c.; 12 vars., 50c.

*Balsam.*

BRACHYCOME (Swan River Daisy). A charming dwarf plant of easy culture, covered with a beautiful mass of Cineraria-like flowers. Half-hardy annual.

Iberidifolia, blue and white, $\frac{1}{2}$ ft. Per pkt. 5c.

BALLOON VINE (Cardiospermum). Remarkably rapid climber; very curious. Half-hardy annual.

Malicacabum. Per oz. 20c., pkt. 5c.

Balsam Apple, or Pear. (See Momordica.)



Double Daisy.

BELLIS (Double Daisy).

The poet's favorite and one of the most charming spring flowers. Hardy perennial, $\frac{1}{2}$ foot.

Double White. Per pkt. 10c.

Longfellow. Large, double pink. Per pkt. 10c.

Snowball. Largest double white. Per pkt. 10c.

Double Mixed. Per pkt. 10c.

Maxima. Large, double red. Per pkt. 10c.

BROWALLIA.

Handsome annuals, with blue or white flowers completely studding the bushy plants during the whole summer. $1\frac{1}{2}$ feet.

Blue. Per pkt. 10c.

White. Per pkt. 10c.

Roezli (fine for pots). Per pkt. 25c.

Nana Compacta. Blue. Very dwarf and compact. Per pkt. 10c.

Speciosa Major. Individual flowers are fully 1 inch across, of rich indigo blue; 1 foot high; bushy. Per pkt. 10c.

Jamesoni. Large orange. Per pkt. 10c.

Mixed Colors. Per pkt. 5c.



Coreopsis.

BEGONIA. For the greenhouse, parlor or garden. The graceful pendulous flowers of this beautiful class render them most desirable; but with added beauty in their glossy waxy foliage, they are simply superb. They are of easy culture and exceedingly useful. Half-hardy perennials. 1 foot.

Tuberous Rooted, single mixed. Per pkt. 10c.

Tuberous Rooted, double mixed. Per pkt. 15c.

Vernon. Superb variety; flowers brilliant rich red, which are set off perfectly by the abundant glossy green leaves, broadly margined with bronze and purple. Extremely hardy and floriferous. Seed sown in spring will produce blooming plants early in the summer. Per pkt. 10c.

Schmidtii, white, very floriferous. Per pkt. 25c.

Non Plus Ultra. Per pkt. 10c.

Semperflorens fol. aureus. Per pkt. 10c. Mixed. Per pkt. 10c.

CACALIA ("Tassel Flowers," "Flora's Paint Brush," etc.).

Very pretty summer-flowering garden plants. Prized for cutting. $1\frac{1}{2}$ feet. Annual.

Coccinea (Scarlet Tassel Flower). Per pkt. 10c.

Lutea, yellow. Per pkt. 10c. **Mixed Colors.** Per pkt. 5c.

CALENDULA (Pot Marigold). Very showy, free-flowering plants; very effective in beds or mixed borders. Hardy annuals.

Meteor. Double yellow, striped with orange. Per pkt. 5c., oz. 25c.

Prince of Orange. Similar to Meteor, but much darker. Per pkt. 5c., oz. 25c.

Sulphurea fl. pl. Per pkt. 5c., oz. 40c.

Nankeen. Colored (Le Proust.) Per pkt. 5c.

Regalis fl. pl. Very double, deep orange. Per pkt. 5c.

CALCEOLARIA. Magnificent greenhouse plants, with large pocket-shaped flowers, which are borne in the greatest profusion in the spring. $1\frac{1}{2}$ ft.

James' Giant Strain. Per pkt. 25c.

Carter's Prize Strain. Per pkt. 25c.

Raposa. Shrubby, for bedding. Per pkt. 25c.

Hybrida Mixed. Per pkt. 50c.

CALLIOPSIS (Coreopsis).

This genus embraces a very useful and brilliant class of hardy annuals. The flowers are of every shade of yellow, orange and reddish brown; useful for bed.

Drummond, or Golden

Wave. Uniform orange yellow, extra fine. 1 ft. Per pkt. 5c.

Tinctoria Marmorata.

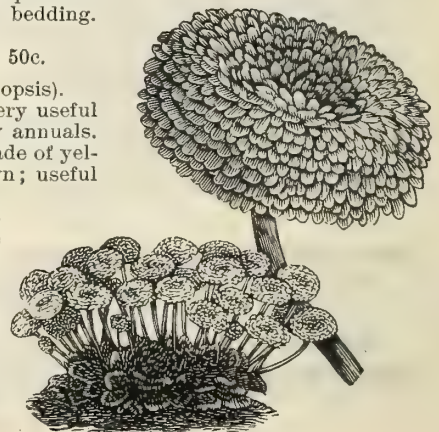
Marbled yellow and brown. 2 ft. Per pkt. 5c., oz. 30c.

Coronata. Rich yellow, slightly spotted with red. Per pkt. 5c.

Mixed. Per pkt. 5c.



Tuberous Rooted Begonia.



Calendula, Meteor.

CAMPANULA (Canterbury Bells). An old garden favorite belonging to a class of plants known as hardy biennials. They are very ornamental, and should find a place in every garden.

Carpatica. Blue, white, rose or mixed. Fine hardy perennial.

Medium. " " " " " " $\frac{3}{4}$ ft. Per pkt. 5c.

Calycanthema. Blue, white, rose or mixed. 2 ft. " 5c.

Macrostyla. Extra large violet-flowering (Cup and Saucer) variety. Per pkt. 5c.

CANARY BIRD FLOWER (*Tropæolum*). A rapid-growing summer climbing annual, producing hundreds of its pretty fringed bright yellow flowers, which resemble a canary bird with expanded wings. Per pkt. 5c., oz. 50c.

CANDYTUFT (*Iberis*). The Candytuft is almost as fragrant as the Sweet Alyssum and very popular. Very useful as a bedding plant or for border work. Hardy annual. 1 foot.

	Pkt.	Oz.
Dwarf White	5c.	25c.
White Rocket	5c.	25c.
Dobbie's White Rocket. Finest of all the white varieties	5c.	50c.
Lilac	5c.	25c.
Purple	5c.	25c.

	Pkt.	Oz.
Crimson or Mixed	5c.	25c.
Empress. Produces large trusses of pyra- midal-shaped flowers, very effective	5c.	50c.
Mixed Annual	5c.	25c.



Campanula.

CANNA (*Indian Shot*). The Cannas are particularly suitable for forming groups on lawns or backgrounds for dwarf-growing plants, for which purpose they are now largely used. Seeds sown in a hotbed or greenhouse from January to April will produce flowering plants in July. Half-hardy perennial.

Tall Varieties. Mixed. Per pkt. 10c., oz. 20c.

Dwarf. Large flowering varieties, extra fine. Per pkt. 10c., oz. 75c.

CARNATION (*Dianthus*). These well-known favorites are highly prized for the delicious perfume of their flowers, grown in pots or in the open ground. No flowers can be finer or more worthy of cultivation. The Marguerite Carnation will bloom in four months from the time of sowing. The flowers are of magnificent colors, ranging through many shades of pink, red, white and variegated. Hardy perennials.

Earliest French Chabaud Carnation. New hardy class, combining the perfection of flowers of the perperuals with the earliness of Marguerite Carnations, blooming seven months after being sown. Pkt. \$0 25

Benary's Non Plus Ultra Border Carnation. Finest mixed. Saved from flowers of finest quality only. 25

Perpetual, or Tree. Upright growth and branching habit, flowering several times during the season. 2 ft. 10

Picotee. Extra fine double mixed, various shades of yellow, white and slate. 10

Red Grenadine. Brilliant double, sweet flowers. 1 ft. 10

Early Dwarf Vienna. Flowers very early; extra fine. 10

GIANT MARGUERITE

Without exception, these are the most abundant bloomers of all the Carnation Pinks. Flowers are of brilliant colors, ranging through many beautiful shades of red, pink, white, variegated, etc. Perfect form, large size. *Sown in spring, commence flowering in early summer*, and continue to bloom in lavish profusion until checked by frost. Yellow, per pkt. 25c., 200 seeds \$1.00; Pure White, pkt. 25c., 200 seeds \$1.00; Salmon, pkt. 25c., 200 seeds \$1.00; Rosy Carmine, pkt. 25c., 200 seeds \$1.00; Scarlet, pkt. 25c., 200 seeds \$1.00; Finest Mixed, pkt. 10c., 200 seeds 25c. Collection, 1 packet each above six varieties, \$1.00.



Marguerite Carnation.



Candytuft.

CASTOR OIL PLANT (*Ricinus*). The *Ricinus* are tall, stately-growing plants of tropical appearance; their luxuriant foliage renders them exceedingly ornamental. They are free-growing, tender annuals of easy cultivation. Half hardy annuals. Per pkt.

Africanus , very large green foliage	\$0 05
Zanzibarensis , New Giant Castor Oil Plant from Africa	10
Borboniensis arboreus , large and handsome green foliage, 15 feet	05
Communis (Castor Oil Plant), green foliage, 6 feet	05
Gibsonii , dark, purplish red foliage, 6 feet	05
Cambogiensis , leaves bronzy maroon, with red veins, stems black	05
Duchess of Edinburgh , dark red foliage, 6 feet	05
Gibsonii Marabilis , dwarf, compact, very fine	05
Sanguineus , tricolor, red spotted, fruit in clusters, red foliage, 10 feet	05
Mixed	Per lb. \$1.00, oz. 15c. 05

CENTAUREA. Showy, free-flowering, silver foliage plants, useful for ribbon gardening, 1½ feet. Half hardy perennials.

Candidissima, very desirable silvery variety for bedding. Per pkt. 10c.

Gymnocarpa, a graceful, silvery variety, valuable for borders. Per pkt. 10c., oz. 75c.

CENTAUREA ODORATA.

Margaritae , pure white	Per pkt. \$0 10
Light Blue	10
Chameleon , red and yellow	10
Imperialis , fine mixed	10



Centaurea.

CENTAUREA SUAVEOLENS.

Mammoth Yellow Sweet Sultan Per pkt. \$0 05

CENTAUREA CYANUS—Corn Flower (Ragged Sailor or Blue Bottle.) A very popular and easily cultivated flower. Hardy annual.

Emperor William, blue 05

Victoria, a charming, diminutive variety, forms little bushes, only 8 inches high; pretty for edgings or pots; mixed colors 10

King of Blauets. A greatly improved type of "Cornflower or Blue Bottle," producing large heads of rich blue flowers. The individual florets are of unusual size. For cutting purposes as well as for garden decoration, it is of exceptional value. It is a hardy herbaceous plant, about 15 to 18 inches high 10

Finest Mixed Per oz. 25c. 05

Double " 10

CENTAUREA MOSCHATA.

Sweet Sultan, the old garden favorite; blue, white or mixed 05

CENTRANTHUS. Very pretty, free-flowering annuals, suitable for rockeries and vases.

Mixed colors 05

CENTROSEMA, or BUTTERFLY PEA. A hardy perennial vine of exquisite beauty. The plants grow 7 to 8 feet in a season, and the first season from seed will produce graceful clusters of 6 to 8 inverted pea-shaped flowers, 1½ to 2½ inches across.

Mixed Per pkt. 10c.

CHRYSANthemUMS (Annual Varieties). Summer-blooming annual plants of compact growth, 12 to 18 inches high, producing quantities of large single and double flowers 2 inches across.

Single annual varieties, mixed Per pkt. 5c.

Double " " 5c.

Veitch's Choicest Hybrids, mixed " 25c.

CINERARIA. Magnificent and indispensable flowering plants for spring decoration for the conservatory or window garden. The flowers, measuring 2 to 3 inches across, are of white, blue, violet and crimson shades, covering the plant with a sheet of bloom.

James' Giant Strain, mixed Per pkt. \$0 25

Hybrida Grandiflora, " 25

" " white 25

" " Flesh variety 25

" " Rich Crimson 25

" " Rose variety 25

" " New blood red 25

Collection, 1 pkt. each, 6 varieties, \$1.25.

The preceding very large-flowered strains are unsurpassed for richness of color and perfection of form.



Ricinus.



Cineraria.

*Clarkia.*

COBAEA. A fine, quick-growing, climbing plant, bearing large bell-shaped flowers. Hardy annual.

Scandens, deep violet. Per pkt. 5c., oz. 75c.
 " Alba, white. Per pkt. 10c.

COCKSCOMBS (*Celosia Cristata*). Very popular annuals of the easiest culture, producing large ornamental, comb-like heads; not only are they highly prized for summer flower beds, but they make fine pot plants. (See cut.)

Japan Crimson. Huge combs, very much beruffled and cut; very rich deep crimson. Per pkt. 10c.

Glasgow Prize. Very dwarf, immense crimson combs. 1 foot. Per pkt. 5c.

Dwarf Mixed, many colors. 1 foot. Per pkt. 5c.

*Cockscomb, Glasgow Prize*

summer-blooming annuals of great beauty, for massing and mixed flower borders; great variety of color, white, purple and crimson predominating. 1 to 2 ft. Per pkt. 5c.

CIGAR PLANT (*Cuphea*). With cigar-like shaped flowers, very useful for bedding; free bloomer. Half hardy perennial.

Platycentra, scarlet and white. Per pkt. 10c.

COWSLIP. A beautiful flowering plant; excellent for filling the beds and borders of the spring flower garden; hardy perennial. $\frac{3}{4}$ ft.

Extra Fine Mixed. Per pkt. 5c.

CORAL PLANT (*Erythrina*). A very beautiful greenhouse shrub.

Rista galli. Per pkt. 10c.

CLARKIA. The Clarkia is an old favorite, very pretty, free-flowering and of easy cultivation. Useful for hanging baskets. Hardy annuals. $1\frac{1}{2}$ feet.

Elegans, Mixed. Per pkt. 5c., oz. 30c.

CLEMATIS (*Virgin's Bower*). Beautiful ornamental plants, fine for covering trellises or making a screen. Seeds vegetate only after an interval of several months, when they will grow with tolerable certainty. Hardy perennial. (See cut.)

Flammula, white. Per pkt. 10c.

Jackmanni Varieties, seed saved from best named varieties. Per pkt. 10c.

CLIANTHUS. One of the most beautiful plants grown for either the greenhouse, or border; tender shrubby trailer; succeeds best when treated as an annual; must not be transplanted.

Dampieri (Australian Glory Pea). Flowers scarlet, blotched with black. Per pkt. 10c.

*Cobaea Scandens.*

Feathered or Ostrich Plumed Cockscombs (*Celosia Plumo. a*). Handsome pyramidal branching plants, 2 to 3 feet high, producing at the summit of each branch long feathery plumes of very graceful effect.

Crimson Ostrich Plumed (*Triomphe d'Exposition*). Large feathery crimson plumes. Per pkt. 10c.

Golden Ostrich Plumed. Large feathery golden plumes. Per pkt. 10c.

Mixed Colors. Ostrich Plumed Celosia, crimson, orange, yellow, rose, etc. Per pkt. 5c.

COCCINEA INDICA. A remarkably pretty annual climber; foliage ivy-like, bright and luxuriant; never troubled with insects; small flowers followed by numerous fruits 2 inches long, which turn to brilliant scarlet, spotted with white. 10 feet. Per pkt. 10c.

COLEUS. One of the most popular ornamental foliage plants; very decorative and easily grown from seed.

Extra Fine Mixed. Per pkt. 25c.

COLLINSIA.

Mixed Colors. Free-flowering,

*Clematis.*

Columbine. (See Aquilegia.)

Cordylina. (See Dracena.)

Coreopsis. (See Calliopsis.)

Cucumber Wild. (See Echinocystis lobata.)

Cucumis. (See Gourds.)

*Cosmos.*

COSMOS

MAMMOTH PERFECTION

The flowers are double the size of the old Cosmos; the petals are broader, forming a perfectly round flower. The long stems and feathery foliage lend themselves to graceful arrangements for bouquets. These plants enliven the garden long after more tender plants have succumbed to early frost.

Mammoth White	Per pkt.,	10c.
" Pink	"	10c.
" Deep Crimson	"	10c.
" Mixed	Per oz.,	\$1.00
" Red	"	10c.
Cosmos Pink Pearl	Per oz.	50c.
" White "	"	50c.
" Choice Mixed	"	50c.

GIANT RAINBOW COSMOS

A beautiful new departure in Cosmos. Pink, cream, blush, crimson, red, white, etc., which are again striped, dotted, suffused, zoned, etc., with other exquisite shades and colors. The flowers are very large, and often with frilled and fringed edges. Per pkt. 15c., 500 seeds 50c.

EARLY FLOWERING COSMOS

This variety comes into flower in July, and continues a mass of bloom until cut down by severe frost, making their successful cultivation possible in the most northerly States and Canada; it is of dwarf, compact growth, growing only 4½ feet high. The flowers are fully as large as in the old type. Mixed. Per pkt. 10c., 500 seeds 50c.

GIANT FANCY COSMOS

The strain of Cosmos was raised by a specialist and is a very large flowering variety.

Giant Fancy, White, Pink, Red or Mixed. Per pkt. 10c., 500 seeds 25c.

CONVOLVULUS

(Morning Glory).

These well-known favorites ought to be in every garden. Nothing can be finer for color than a bed of these.

Dwarf Bedding Variety. Mixed. Per pkt. 5c., oz. 20c.
Tall or Climbing " " " 5c., " 20c.

Giant Imperial Japanese Morning Glories

A magnificent advance on the old-fashioned Morning Glories. The enormous flowers, exquisite colors and beautiful foliage make them, without doubt, the most beautiful climbers in existence.

Japanese Mixed. Per pkt. 10c., oz. 25c., ¼ lb. 50c. **Fancy Mixed.** Per pkt. 10c., oz. 50c., ¼ lb. \$1.50.



Cyclamen.

GIANT PERSIAN CYCLAMEN

Flowers of extraordinary size and of great substance. The leaves are proportionately large and beautifully marked. These are among the most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

	Per pkt.		Per pkt.
Finest mixed	15c.	Crimson King	20c.
White with red eye	20c.	Fine rose	20c.
Pure white	20c.	" red	20c.
Purple King	20c.	Per 100 seeds	\$1.00

CYPRESS VINE (Ipomoea Quamoclit)

The most popular of annual climbing plants, with delicate fern-like foliage. Half hardy annual.

	Per oz.	Per pkt.		Per oz.	Per pkt.
Crimson	30c.	5c.	Rose	30c.	5c.
White	30c.	5c.	Mixed	30c.	5c.

COWSLIP

The well-known favorite English Cowslip (*Primula veris*), hardy, flowering early in spring. $\frac{3}{4}$ foot. Mixed colors. Pkt. 5c.

CUPHEA MINIATA COMPACTA

Bushy, compact annual, 8 inches high; flowers scarlet, crimson, purple, etc., throughout the season; fine for either bedding or pots. Pkt. 10c.

DAHLIA

The seed we offer has been saved from a superb collection of the finest named varieties. Half-hardy perennial.

Extra Double, mixed. Per pkt. 10c.

Single Mixed. Per pkt. 10c.

Dahlia, 20th Century Novelty. Pkt. 25c.

DIANTHUS, or PINKS (Double Annual Varieties)

The family of Pinks is unrivaled for brilliancy and rich variety of color; the plants are bushy of symmetrical form—blooming profusely, until fall, rendering them most satisfactory for summer flower gardens.

Chinensis, fl. pl., mixed colors. Double China or Indian Pink. Pkt. 5c.

Heddewigh, fl. pl., mixed colors. Double Japan Pink, large flowers of many rich and varied colors. Pkt. 5c.

Double Diadem Pink, mixed colors (*Diadematus fl. pl.*). Splendid double flowers of many colors, edged and marbled. Pkt. 5c.

S. & W. Co.'s Special Mixture of Annual Sorts

A grand collection of these ever popular garden or China pinks. All large flowering varieties, unrivaled for brilliancy and rich variety of color, and bloom in perfect succession during the whole summer and autumn in such numbers as fairly to crowd each other for room. Mixed colors. Per pkt. 10c.

Hardy Dianthus Pinks

These form low, bushy, tufted plants, above which are produced on long stems the beautiful fringed and fragrant flowers so valued in "old-fashioned" gardens. For permanent beds and borders these pinks are unrivaled.

Plumarius, double mixed. Double-fringed fragrant flowers of white, crimson or purple shades, spotted and variegated. 12 inches high. Pkt. 10c.

Phumarius, single mixed. Large single fragrant flowers of beautiful colors and finely fringed. Pkt. 5c.

Scotch or Florists' Pinks. They are excellent perennial garden plants, about one foot high when in bloom; they are vigorous, very hardy, and flower profusely during spring and early summer; the flowers are very large, very double, beautifully fringed, and emit a grateful clover-like perfume. Mixed colors. Pkt. 25c.

Delphinium (Annual Varieties)

Dwarf or Tall Rocket, mixed. 2 ft. Oz. 30c., pkt. 5c.

Chinese Mixed. Pkt. 5c.

Hyacinth flowered. Dwarf, mixed; very fine. Per pkt. 5c.

DATURA

Strong-growing annuals, with very large and showy flowers. Half-hardy annuals. 2 to 3 feet.

Cornucopia. Purple and white. Pkt. 10c.

Fastuosa. Double white, violet or mixed. Pkt. 5c.

Golden Queen. Brilliant golden yellow flowers of enormous size, many of them 10 inches long and produced in great numbers. Pkt. 10c.

Hyacinth Bean

Giant Crimson. Pkt. 10c., oz. 50c.

Purple, White or Mixed. Per pkt. 5c., oz. 25c.



Scotch Border Pink.

DELPHINIUM (Perennial Larkspur)

Magnificent border plants, with gorgeous spikes of bloom, varying in shades from the most delicate white to the richest blue. Hardy perennial.

Brunonianum. Beautiful, with blue flowers. Pkt. 5c.

Nudicaule. Fine dwarf scarlet variety. $1\frac{1}{4}$ feet. Pkt. 5c.

Formosum. Rich dark blue, white center. Pkt. 5c.

Formosum coelestinum. Light blue flowers. Pkt. 5c.

Zalil. Flowers of pure sulphur-yellow, branching habit 4 feet. Pkt. 10c.

Branching Larkspur, mixed colors. This splendid class grows two to three feet high and bears long spikes of flowers on long stems, rendering them of exceptional value for cutting purposes. Per pkt. 10c.

*Gaillardia Picta.*

ESCHSCHOLTZIA (California Poppies). Profuse blooming plants, of extremely rich and varied color; fine for beds or rockeries. Hardy annual. 1 ft.

Golden West. Beautiful	per pkt. 10c.
Bush Eschscholtzia	" 10c.
Mandarin	" 10c.
Carminea	" 10c.

ECHEVERIA. Interesting greenhouse succulents, which are used largely for carpet bedding.

Metallica	per pkt. 25c.
----------------------------	---------------

EUPHORBIA HETEROPHYLLA (Annual Poinsettia, or Mexican Fire Plant). An annual bushy plant, for either garden or pot culture, with highly ornamental leaves, which in summer and autumn become blazed with a fiery scarlet, leaving a tip of green. 3 ft. per pkt. 10c.

FERNS. Greenhouse varieties, mixed. Graceful conservatory or window plants. 6 ins. to 2 ft. per pkt. 10c.

FORGET-ME-NOT (*Myosotis*). All the varieties of these popular plants are very beautiful and general favorites with all; they succeed best in a moist situation. Half-hardy perennial. 1½ ft.

*Myosotis Alpestris.*

DIGITALIS (Foxglove). Handsome ornamental plants, of stately growth and varied color. Very showy for backgrounds and borders. Hardy perennials. 5 ft.

Purpurea. Mixed. Per pkt. 5c.

Monstrosa. Mixed. Long spike of many flowers, surmounted with one enormous flower. Per pkt. 10c.

DRACAENA. Ornamental greenhouse plants, with elegant leaves; very rich and desirable.

Australis	per pkt. 25c.
Rubra	" 25c.
Indivisa Lineata.	" 10c.
Veitchii	" 25c.
Draco	" 25c.

ECHINOCYSTIS (Lobata, Climbing Wild Cucumber). A rapid, luxuriant-growing annual climber, very useful for quick effects, 30 to 50 ft. Per pkt. 5c.

HELICHRYSUM. Very showy summer-blooming annuals, of free growth and producing in abundance; flowers large, full and double, in shades of white, yellow, crimson, etc.; not only very handsome as garden plants, but valuable as an "ever-lasting" for winter bouquets. Hardy annuals. 1 to 2 ft.

Double Mixed, Large Flowering per pkt. 5c.

*Helichrysum.*

Alpestris. Blue	per pkt. 5c.
" Victoria. Very large flowers	" 10c.
Sylvatica. Pale blue	" 10c.
Robusta Grandiflora (Eliza Fanrobert). Large-flowering double blooms, remarkably fine	" 10c.
Finest Mixed	" 5c.

FOUR O'CLOCKS (*Mirabilis*). Well-known free-flowering plants. Called Four o'Clocks because they open their blossoms at that hour in the afternoon; also called Marvel of Peru. Hardy annuals. 2 ft. **Fine Mixed.** . . . per pkt. 5c., oz. 20c.

GAILLARDIA. A striking-looking class of plants, presenting quite a diversity of color; fine for bedding. Half-hardy perennials. 2 ft.

Picta Lorenziana. Double orange and yellow flowers, mixed colors. Per pkt. 5c., oz. 50c. **Mixed.** Per pkt. 5c., oz. 40c.

Amblyodon. Rich blood red, single	per pkt. 5c.
Alba rosea. " red and white, single	" 5c.
Aurea. " yellow, single	" 5c.
Sulphurea " double	" 5c.
Rubra. " red "	" 5c.

Large flowering hardy, mixed, double. Per pkt. 5c., oz. 50c.

FUCHSIA

Choice double and single of this well-known elegant tender pot plant. Mixed colors. Per pkt. 25c.

GLOXINIA

Most charming greenhouse plants, of dwarf habit. Their flowers are produced in greatest profusion and of the most exquisite and gorgeous colors, many of which are magnificently mottled and spotted. Mixed colors. Per pkt. 25c.

GERANIUM

Gorgeous shades of color, borne continuously, render this the most popular plant grown, either for pot culture in winter or for bedding out in summer. Sown early, they flower the first season. 1½ feet.

Finest Varieties. Mixed. Per pkt. 25c.

GLOBE AMARANTH

(Bachelor's Button)

Remarkably handsome everlastings. Hardy annuals. One foot. Orange, purple, white, striped, lilac, flesh, all colors, mixed. Per pkt. 5c.

GODETIA

Profuse blooming annuals of beautiful colors. Fine for bedding or pot culture. Hardy annuals. 1 foot.

Mixed. Per pkt. 5c.

GOURDS

A vigorous class of plants, with curiously formed and often strangely colored fruits. The foliage is abundant, often curious. They are very useful for covering old trees, fences, arbors, etc. Tender annuals.

Mock Orange . . .	per pkt. 5c.	Dipper Gourds . . .	Per pkt. 5c.
Apple-shaped . . .	5c.	Mixed, all sorts . . .	" 5c.
Dish Cloth, or Chinese Luffa . . .	5c.	Hercules Club . . .	" 5c.



Gourds.

Charters, finest mixed. Taken from a collection of named varieties, beautiful colors and all double. Per pkt. 10c.

S. & W. Co.'s Superb Double. White, scarlet, purple, dark rose, crimson, yellow, or mixed. Per pkt. 10c., 250 seeds 50c.

HEUCHERA

Sanguinea Splendens. Beautiful hardy perennials. The foliage is evergreen, flowers fiery choral, shading to brilliant crimson. Borne on graceful spikes. A charming cut flower. Per pkt. 10c.

HIBISCUS

Africanus. Robust garden annual, large saucer-shaped flowers of creamy yellow, with purple center. 2 feet. Per pkt. 5c.



Godetia.

GYPSOPHILA

Pretty, free-flowering little plant. Will do well in any garden soil. The flowers are valuable for bouquet making, either fresh or dried. Hardy annuals.

Paniculata. A very graceful plant, with beautiful white flowers; fine for table bouquets. 1½ feet. Per pkt. 5c.

GREVILLEA ROBUSTA

Silk Oak. Very graceful foliage; highly valued as a decorative plant for the table, and when large for tropical lawn effects. 3 to 5 feet. Per pkt. 10c.

HELIOTROPE

Deliciously fragrant flowering plants: growing about one to two feet high; great favorites for pot culture in the winter or bedding out in the summer. Large umbels of lilac or white flowers are continuously borne. Half hardy perennial. 1½ feet.

Finest mixed. Per pkt. 5c.

HOLLYHOCKS

(Althæa)

Magnificent summer and autumn flowering plants, bearing long spikes of large double flowers, 3 to 4 inches in diameter. If seeds are sown in June or July will produce plants for blooming the following summer. Hardy perennial. 4 feet.

Double mixed Per pkt. 5c.

Superb Double. White, yellow, scarlet, purple, or dark rose. Per pkt. 5c.

ICE PLANT

(Mesembryanthemum)

Very singular, dwarf trailing plants, much used for garnishing; beautiful and curious. Tender annual. 1 foot. **Crystallinum**, white. Per pkt. 5c.

IMPATIENS SULTANA

One of the most beautiful of decorative plants. It thrives in stove, greenhouse and open border during the summer. The flowers are of a brilliant rosy scarlet, 1½ inches in diameter. **Mixed.** Per pkt. 10c.

IPOMOEA (Moonflower, Dawn Flower, etc). Beautiful, free-blooming plants, fine for outdoor or greenhouse decorations. The seeds should be soaked two to three hours before planting. Tender annual.

Grandiflora Mexicana Alba. (Moonflower). At night and during dull days the plants are covered with an abundance of large, pure white, fragrant flowers, 5 to 6 inches in diameter. It grows rapidly and will cover a large surface. Per oz. 75c., pkt. 10c.

Mixed Grandiflora Hybrida. "The Moonflower or Evening Glory. One of the finest summer climbers grown. Per pkt. 5c.



Ipomoea.

foliage is luxuriant, making a dense covering. It is one of the best plants for covering verandas, trellises, etc. Heat, drought and insects do not trouble it per pkt. 5c.

LANTANA Rapid-growing plants, forming small bushy shrubs exceedingly free in bloom. Mixed per pkt. 5c.

LARKSPUR (See Delphinium).

LATHYRUS LATIFOLIUS (Hardy Everlasting Pea). Hardy climbers, growing 6 to 8 ft high when trained on a trellis; the flowers are borne in large clusters. They are peculiarly adapted to rough places, to scramble over rocks and bushes; splendid cut flower.



Lobelia.

garden beds, bearing continuously flowers of charming blue, white or rose shades.

Erinus speciosa. Bright blue. **Erinus gracilis.** Light blue. **Mixed Erinus Varieties** per pkt. 5c.

HARDY LOBELIAS. Tall-growing, hardy perennials with long spikes of brilliant flowers; for permanent beds and borders they are unrivalled; they are one of the few flowering plants that thrive in shady situations. 2 to 4 ft. The most brilliant plants in cultivation. Mixed colors, per pkt. 10c. **Cardinalis.** (Cardinal Flower). Long spikes of intense scarlet flowers, per pkt. 10c. **"Rivoirei."** Giant-flowering pink, per pkt. 25c.

"Fürst Bismarck." Giant-flowering crimson, per pkt. 25c.

Limbata. Violet, edged white, rose throat. Per pkt. 5c.

Leari. "The Blue Dawn Flower." Does wonderfully well outside in the summer, yet is generally known as a greenhouse climber. It is most beautiful, bearing clusters of the most lovely sky blue flowers, fully 5 to 6 inches across. per pkt. 10c.

Mixed. 5c.

HUMULUS JAPONICUS

(Japan Hop). Rapid summer climber, in three or four weeks' time attaining a height of 20 to 30 ft., resembling the common hop, but, being an annual, attains full perfection the first season. The



Humulus.

Lathyrus Latifolius. White per pkt. 10c.
" " " " " " 10c.
" " " " " " 5c.
" " " " " " 5c.

LINARIA CYMBALARIA (Kenilworth Ivy). Hardy little climber, clings to walls, etc., and a valuable trailing plant, for hanging baskets, vases, etc. 3 to 6 ft. per pkt. 10c.

LEPTOSIPHON Very handsome dwarf annuals for masses, beds and edgings; when planted in masses they form entire sheets of bloom. Hardy annuals. ¼ ft. Mixed. Per pkt. 5c., oz. 40c.

LOBELIA All the Lobelias are suitable for bed edgings or ribbon borders, blooming profusely from June to September. *L. gracilis* is useful also for hanging baskets, vases, etc. Half hardy perennials.

COMPACTA VARIETIES. Little, round, compact plants, 4 to 6 in. high, forming little mounds of bloom, splendid for edging, beds and ribbon-gardening and fine for pots.

Blue King. Dark blue, white center per pkt. 10c.

Crystal Palace Compacta. Dark blue; a popular bedder. 10c.

Mixed Compacta Varieties 10c.

ERINUS VARIETIES. They produce trailing branches, 6 to 9 in. long. Indispensable for hanging over vases and baskets or



LUPINUS

These are a very interesting class of plants and of easy culture, producing beautiful leaves and pea-shaped flowers, and should be more generally cultivated. Hardy annuals. $2\frac{1}{2}$ feet. **Extra Fine Mixed.** Pkt. 5c., oz. 10c.

LYCHNIS

Maageana Hybrids, Mixed Colors. Usually grown as annuals; of dwarf, bushy habit, bearing flowers an inch or more across in continuous succession until frost; the colors are particularly pleasing and effective—from white to rich scarlet and many shades of pink. 1 foot. Pkt. 5c.



Lupinus.

MATRICARIA

Capensis (Double White Feverfew). Bushy annual garden plant, bearing quantities of white, double, button-like flowers. Pkt. 5c.
Golden Ball, very fine Per pkt. 10c.
Eximia flore plena corymbosa " 10c.
Grandiflora, Double Tom Thumb; very dwarf " 10c.



Musa Ensete.



Nemophila.

MAURANDYA

These beautiful climbers cannot be too highly recommended, whether for conservatory, greenhouse or for trailing on trellis work. Tender annuals.

Barclayana, Mixed Per pkt. 5c.

MIMULUS

The Mimulus are beautiful tender-looking plants, with almost transparent branches. They luxuriate in damp, shady situations; musk-scented. Tender annual. 1 foot.

Moschatus (Musk Plant) Per pkt. 5c.

Splendid Mixed " 5c.

MOMORDICA

Balsam Apple and Balsam Pear. Luxuriant annual climbers, with large leaves, making dense shade. The flowers are followed by ornamental, large fruits of orange or copper color, which burst and expose an interior of red, which is highly effective. 15 to 20 feet.

Balsamina (Balsam Apple). Orange fruits. Per pkt. 5c.

Charantia (Balsam Pear). Coppery scarlet colored fruits. Pkt. 5c.

Moonflower (See Ipomæa).

Morning Glory (See Convolvulus).

MIMOSA (Sensitive Plant)

Very curious annual. The leaves instantly close up when touched. Tender annual. **Pudica.** Per pkt. 5c.

MUSA ENSETE (Abyssinian Banana Tree)

A foliage plant of magnificent proportions; for sub-tropical massing or as single specimens they are strikingly effective. Seeds sown early in the house will produce plants 10 to 15 feet high the first season. Per pkt. 25c.

Musk Plant (See Mimulus).

Myosotis (See Forget-Me-Not).

NEMOPHILA (Love Grove)

A genus of exceedingly beautiful dwarf-growing plants. Their height and habit of growing being so uniform, and the colors so varied and striking, they never fail to produce a pleasing effect. Hardy annual. 1 foot. Per pkt. 5c.

NIGELLA (Love-in-a-Mist)

Beautiful border plants, with pretty cut foliage and curiously formed flowers. Hardy annuals. $1\frac{1}{2}$ feet.

Damascena. Purple or white Per pkt. 5c.

Hispanica. Blue or white " 5c.

Mixed Per oz. 20c., " 5c.



Nigella.

MARIGOLD (Tagetes)

Among the Marigolds, the African is the most striking in large beds, while the other Tagetes varieties are admirably adapted for small beds. They are free-blooming plants of easy cultivation. Hardy annual.

AFRICAN TALL MARIGOLDS

Double Mixed	per oz. 50c., per pkt. 5c.
Orange Yellow	" 5c.
Light Yellow	" 5c.
Orange quilled	" 5c.
Lemon quilled	" 5c.

FRENCH MARIGOLDS, DWARF

Finest French Mixed. Tall varieties	per pkt., 5c.
Legion of Honor. Dwarf compact, about 15 inches high, with dark green, fern-like leaves, and bright, golden, star-like flowers distributed over the surface. The blooms are of rich golden yellow, with the center of each petal marked broadly with velvety crimson-brown	per pkt. 10c.
Lutea. Pure yellow, very double	" 5c.
Silver King	" 10c.
Dwarf Mixed	" 5c.

SINGLE MARIGOLD

Little Brownie. Charming, forming compact little bushes only 5 to 6 inches high. It is remarkable for blossoming extremely early and in prodigious abundance, commencing in June. The flowers are vividly colored golden yellow, marked with a large spot of crimson velvet. Per pkt. 5c.

MATHIOLA BICORNIS ("Night Scented Stock")

An annual garden plant grown for its delicious perfume, which is emitted in the evening and morning, also after a shower. 1 ft. Per pkt. 5c.



Allen's Defiance Mignonette



African Marigold

MIGNONETTE (Reseda)

Well-known sweet-scented little plants, everywhere at home, either in the greenhouse, garden or sitting-room. Hardy annual.

Allen's Defiance Mignonette

This gorgeous Mignonette has qualities heretofore unknown in large-flowering varieties, being deliciously fragrant.

When grown under favorable conditions and with proper care, its spikes will be from 12 to 15 inches long. The individual florets are of remarkable size and stand out boldly, forming a graceful as well as compact spike. Its remarkable strength is accompanied by extraordinary keeping qualities; the spikes have been kept in a vase three weeks after cutting, retaining their grace and fragrance until every bud opened. Per pkt. 10c., per oz. \$2.00.

	Per oz.	Per pkt.
Odorata Grandiflora	\$0 25	\$0 05
Improved Large Flowering	25	5
Golden Queen. Yellow-tinted flowers	25	5
Miles' Spiral. Very fine	60	5
Machet. A dwarf French variety, with broad spikes of very fragrant red flowers; one of the best varieties for either garden or pot culture	1 00	10
Machet Ruby. A fine new Machet Mignonette with coppery-scarlet flowers		10
Machet Bismarck. New imported variety		10
Golden Queen. Golden yellow flowers; dense dwarf growth	35	5
Odorata Maxima Goliath. Bears very large flowers, the center spikes being often 8 inches long. The plant grows in candelabra form and produces fiery red flowers on firm upright stalks		10
Parsons' White. Nearly white	75	5



Nasturtium.

TALL OR CLIMBING VARIETIES

Beautiful and luxuriant annual climbers for trellises, arbors or vases, bearing their gorgeous flowers in profusion until killed by frost.

	Per oz.	Per pkt.
--	---------	----------

by frost.	Per oz.	Per pkt.
Chameleon Splashed crimson, bronze and yellow	\$0 20	\$0 05
Dunnetts Orange. Rich golden-orange, garnet blotches	15	05
Dunnetts Yellow	15	05
Eduard Otto. Brownish	15	05
King Theodore. Velvety dark crimson, dark foliage	15	05
Pearl. Cream white	15	05
Prinz Heinrich. New; cream color. spotted red	15	05
Rose.	15	05
Schulzi. Scarlet	15	05
Von Moltke. Bluish Rose	15	05
Dark Crimson	15	05
Sunlight Per 4 oz.	75c.	25 10
Moonlight	" 75c.	25 10
Jupiter	" \$1.20	35 10
California Giants Mixed	" 75c.	25 10
Finest Tall Mixed	" 25c.	10 05

Imported collections, 6 varieties, 25c.; 12 varieties 50c.

NEMOPHILA

Splendid annuals for garden decoration; bright colored flowers, in shades of blue, white and violet. 1 Foot.

Finest Mixed. Per pkt. 5c.

NICOTIANA

Affinis. An annual with sweet-scented, pure white star-shaped flowers, 3 inches across, blooming continually. 2 to 3 feet high. Pkt. 5c.

Giant Red Flowered. Magnificent annual of tropical effect, large luxuriant leaves and immense clusters of rich crimson flowers. 5 feet. Pkt. 5c.

Collosea. An imposing foliage plant, 5 to 6 feet; immense leaves, at first rose and violet, afterward changing to deep green, with red nerves. Pkt. 10c.

Sylvestris. A superb garden annual of robust, branching habit, about 3 to 4 feet high; the foliage is large and luxuriant, of very dark green; the very long, pendent tubular flowers of pure white are borne in circular clusters on strong spikes way above the foliage. The flowers emit a very delicious perfume. Pkt. 10c.

NIGELLA, or "LOVE-IN-A-MIST"

Damascena, Double Mixed. Pretty garden annuals with feathery green foliage, in which large, double charming blue or white flowers are set. 1 to 2 ft. high. Pkt. 5c.

OFNOTHERA

Fine Mixed (Evening Primroses, or Sun Drops).
Large showy flowers of various colors; hardy annual.
1 to 2 feet. Per pkt. 5c.

NASTURTIIUMS

TOM THUMB VARIETIES

The Dwarf Nasturtiums will always be general favorites, for the reason that they stand any amount of heat and drought, growing vigorously and flowering freely, especially in a poor, rocky soil.

	Per oz.	Per pkt.
Aurora. Salmon Rose	\$0 15	\$0 05
Beauty. Light scarlet, splashed canary	15	05
Brilliant. Rich Scarlet	15	05
Chameleon. Splashed crimson, bronze and yellow	20	05
Cristal Palace Gem. Sulphur spotted maroon	15	05
Empress of India. Brilliant crimson; dark foliage	20	05
King Theodore. Scarlet-maroon; dark foliage	15	05
King of Tom Thumb. Crimson	15	05
Lady Bird. Orange-yellow; red spots	15	05
Luteum. Light yellow; no blotches	15	05
Pearl. Pure white	15	05
Crimson	15	05
Ruby King. Light ruby-red	15	05
Mixed. Finest variety lb.	\$1.00	15 05
Imported collection of one pkt. each of 12 of these varieties	50c.	
" " " " " " " " " " " "	6	" 25c.



Nasturtium.

OXALIS

Pretty little half-trailing annuals, for hanging baskets, vases, rockwork and edgings, flowering in profusion. 6 to 9 inches.

Tropaeoloides Rosea	Per pkt.	10c.
Floribunda Alba , fine for edgings	"	10c.
Floribunda Rosea , fine for edgings	"	10c.
Fine Mixed	"	5c.

PANSY

This charming flower is too well known to need any description. Hardy annual. $\frac{1}{2}$ foot.

Famous Strains of Mammoth Mixed Pansies

S. & W. Co.'s NON PLUS ULTRA

Our Non Plus Ultra Pansy is a mixture containing the largest, handsomest, most perfect varieties ever sent out. The beautiful coloring and variety of marking give a bed of these pansies a most brilliant appearance. The seed having been saved from the greatest assortment of types, including only the best of Giant Cassiers, Bugnots, Trimardeaux, and Giant English, French and German strains. Finest mixed, pkt., 15c.; $\frac{1}{8}$ oz., \$1.50; per oz., \$8.00.

WORLD'S BEST MIXTURE

This mixture is the result of careful selection, from the very largest and finest pansies, of all the varieties; and we can safely say that a better or finer strain it is impossible to get. Per pkt., 25c.; per 1-16 oz., \$1.50; per $\frac{1}{8}$ oz., \$2.50.

S. & W. CO.'S ODIER

Our strain of this magnificent pansy is indeed of a very fine selection, and comprises only the most brilliant colors; each petal has a large brilliant spot.

Odier, Finest Mixed, per pkt., 10c.; per $\frac{1}{8}$ oz., \$1.00.

Odier, Finest Mixed, on White Ground, per pkt., 10c.; per $\frac{1}{8}$ oz., \$1.00.

Odier, Finest Mixed, on Yellow Ground, per pkt., 10c.; per $\frac{1}{8}$ oz., \$1.00.

Bugnot's Large Stained

Mixed colors. A celebrated French strain, extra large, choicest colors, broad blotches and delicate pencilings; ground colors generally light, bringing the elegant markings out in strong relief. Per pkt., 25c.; per 1-16 oz., \$1.00.



Pansy—World's Best.



Pansy—Non Plus Ultra.

CASSIER'S LARGE-FLOWERING

In form, color and size this pansy stands alone; the plants are very robust and the flowers are held well above the foliage, and should be grown amongst all other pansies, as they add to the effect on account of their robust habits.

Cassier's All Colors Mixed, per pkt., 15c.; per 1-16 oz., \$1.00.

Cassier's, on White Ground, per pkt., 15c.; per 1-16 oz., \$1.00.

Cassier's, on Yellow Ground, per pkt., 15c.; per 1-16 oz., \$1.00.

Very Large Flowering Varieties

These are remarkably large Pansies, which, for size of flower and robust growth, eclipse all other strains. Their range of color has heretofore been limited, but this season we are able to offer several grand new varieties.

	Per pkt.	$\frac{1}{8}$ oz.
S. & W. Co's Giant Purple	\$0.10	\$0.75
Pres. Carnot.....	.10	.75
Rosy Lilac.....	.10	.75
Lord Beaconsfield.....	.10	.75
Kaiser Wilhelm.....	.10	.75
Yellow, black eye.....	.10	.75
Pure Yellow.....	.10	.75
White, dark eye.....	.10	.75
Snow White.....	.10	.75
Light Brown, dark eye.....	.10	.75
Striped.....	.10	.75
Fire King.....	.10	.75
Light Blue, white center.....	.10	.75
Light Blue, very handsome.....	.15	1.00
Orchid Flowering.....	.25	1.50
Madame Perret.....	.15	1.00
Bridesmaid.....	.25	1.50
Mixed.....	.10	.60
All Colors Mixed.....	.05	.25

PETUNIAS

S. & W. Co.'s Large-Flowering

The Petunia cannot be equaled by any plant for outdoor decoration. They will flower the first season, even if sown in the open ground, but usually not before June. Those sown in the house or hotbed in April will bloom in June and be larger and finer plants. Half hardy annual. 1½ feet.

This is a strain of incomparable beauty, size and luxuriance. The flowers are of immense size, the fringed varieties exquisitely ruffled and fringed on the edges; but the extreme elegance lies in the great variety of colors, markings, blotching and striping, in the most beautiful combinations.

Large Flowering, single fringed, mixed . . . per pkt, 25c.
" " double " " . . . " 25c.

Inimitable Nana Compacta. Very dwarf, splendid for edging or massing, striped . . . per 1,000 seeds 50c., per pkt. 10c.

Single, Striped and Blotched " " 50c., " 10c.
Finest Mixed . . . " 25c., " 5c.

Imported collections 6 varieties 25c., 12 var. 50c.



Single Large-Flowering Petunia

PHLOX DRUMMONDI

The Phlox Drummondii is one of our best annuals, flowering freely all the summer. For richness of color they cannot be surpassed. They are invaluable for beds and ribbon gardening, therefore no garden should be without them.

S. & W. Co.'s Selected Large-Flowering Tall Varieties.

	Per pkt.	Per 1,000 seeds		Per pkt.	Per 1,000 seeds
Large-Flowering White	10c.	50c.	Large-Flowering Chamois Rose	10c.	50c.
" " Deep Purple	10c.	50c.	" " Scarlet Striped	10c.	50c.
" " Scarlet	10c.	50c.	" " Mixed	10c.	50c.
" " Purple Striped	10c.	50c.	Imported Collections, 6 varieties 50c., 12 varieties \$1.00		

S. & W. Co.'s Selected Large-Flowering Dwarf Varieties

	Per pkt.		Per pkt.
Large-Flowering Dwarf Snow Ball	10c.	Large-Flowering Dwarf Chamois Rose	10c.
" " " Purple	10c.	" " " Surprise Vermilion, White Center	10c.
" " " Defiance Brilliant	10c.	" " " Mixed, per 1,000 seeds \$1.00, 10c.	
" " " Fireball	10c.	Phlox Drummondii, Mixed	per oz. 50c., 5c.
" " " Blue Striped	10c.		

HARDY PHLOX

Magnificent hardy flowering plants, growing into strong bushes from 2 to 3 feet high, bearing immense heads of large waxy flowers of lovely shades of color.

Large-Flowering Hybrids. Mixed	per pkt. 10c.
" " " Dwarf. Mixed	" 10c.
" " " Red Shades. Mixed	" 25c.

GRAF GERO PHLOX

A dwarf, very compact-growing and free-blooming variety. A very free bloomer, with a great variety of colors.

Mixed per pkt. 10c.

STAR PHLOX

Star of Quedlinburg. Flowers are of regular star-like form. Plant of compact habit, about 18 inches high, bearing large umbels of flowers. Colors, varied and beautiful.

Mixed Colors per pkt. 10c., per 1,000 seeds 75c.

PASSION FLOWER

Handsome, rapid growing perennial climber for greenhouse decoration or sunny positions in the open ground in summer.

Coerulea. Large flowers of violet and blue per pkt. 10c.

Alba. Large white flowers " 10c.

Incarnata. Flesh-colored " 10c.

One each above 3 packets for 25c



Passion Flower

SALVIA

One of our handsomest summer and autumn flowering plants, growing into compact bushes about 3 feet high and literally ablaze with brilliant flowers; very effective for massing on the lawn and for garden decorations. Half-hardy perennial.

Silverspot Per pkt. 25c.
Splendens (Scarlet Sage). Scarlet " 5c.
Bonfire (Salvia Splendens Nana Compacta Erecta). This variety, without question, is the finest Salvia for bedding yet introduced. The plants grow into very compact oval bushes, about 2½ feet high and produce long spikes of brilliant scarlet flowers. They stand out stiff and erect; over 200 spikes to a plant is not unusual, and the spikes bear from 20 to 30 flowers each. Gorgeous effects can be produced with the Bonfire Salvia massed on the lawn or in the garden, or planted in rows along a sunny drive, where the brilliant scarlet is simply dazzling. Per pkt. 10c., ¼ oz. \$1.50, ½ oz. \$2.50, oz. \$5.00.

Patens. Bright blue, the most beautiful blue known in flowers. Per pkt. 15c.

SCABIOSA, or SWEET SCABIOUS

The Mourning Bride of our old gardens, but much improved in size, colors and doubleness. They are very free bloomers; colors, white, carmine lilac, maroon, etc. They are very effective for garden decoration, and equally valuable for cutting purposes; annuals. 1ft.

Dwarf, Double, Large-Flowered, Mixed Colors . . Per pkt. 5c.
Mixed Double, Tall " 5c.
Candidissima. Large pure white " 10c.
Dwarf Double. Golden yellow " 10c.
Stellata. Starry " 10c.

Pompadour. The enormous flower heads are quite round; the florets are black-purple at the top and pure white from the center to the bottom Per pkt. 10c

SCABIOSA CAUCASICA, LILAC

One of the handsomest of hardy perennials, forming a spreading and dense plant, 2 to 3 feet high, thriving well in ordinary garden soil, and should be grown by every one, if only for the flowers for cutting, as they last a long time in water, and their peculiar soft lilac-blue shade is charming. Per pkt. 10c.

Caucasica Alba. White. Per pkt. 10c.

STOCKS

DWARF LARGE-FLOWERING DOUBLE TEN WEEKS

These popular flowers are easily grown, and are so highly fragrant and of such great beauty, and have so many good qualities, that they deserve a place in every garden. They should be given good rich soil to grow in, and will amply reward good treatment with remarkably large pyramids of bloom; the flowers represent a great diversity of color. The double Large-Flowering Ten Weeks Stocks are great improvements over the Gilliflowers of the olden times, the flowers being much larger and more densely double, and there is also a much larger variety of colors and shades than there used to be.

DWARF LARGE-FLOWERING

White	Per pkt. 10c.	Canary-Yellow .	Per pkt. 10c.
Carmine-scarlet	" 10c.	Shining purple	" 10c.
Crimson	" 10c.	Blood-red . .	" 10c.
Rose	" 10c.	Light blue . .	" 10c.
Finest mixed . .	" 5c.	Lilac	" 10c.

Imported collections, 6 varieties 50c., 12 varieties \$1.00.

Giant Perfection Ten Weeks Stock. This magnificent strain is without a rival for open-ground planting, attaining a height of 2½ feet. The spikes of bloom are very long, and the individual flowers are enormous in size and very double.

Mixed Per pkt. 10c. **Pure white** . . Per pkt. 10c.
Snowflake Stock. A beautiful dwarf-growing variety; very large double white flowers; very early. Per pkt. 10c.

Cut-and-Come-Again. The well-known profuse and perpetual-flowering Stocks. White, fiery crimson, chamois rose, light blue, dark blue, sulphur-yellow, dark brown, mixed. Per pkt. 10c. **Large-flowering winter Stock**, Empress Elizabeth. Per pkt. 10c.



Salvia Splendens.



Giant Perfection Ten Weeks Stock.

SWEET PEAS

(*Lathyrus odoratus*.)



Sweet Peas succeed best in a deep, rich soil. The most approved method of cultivation is to sow in a trench 5 or 6 inches deep, covering them at first with only 1 inch of soil; then, as the plants grow, fill in the earth about them 1 inch at a time. After the plants are well grown up, they should be watered copiously, and bone meal, worked into the soils about the roots, is recommended. Proper trellis or other supports should be provided.

The first sowing of Sweet Peas may be made very early in the spring, as soon as the frost is out of the ground. For a succession some should be sown every few weeks afterward. For fall flowering they may be sown as late as July. Then, again, they may be sown late in

the fall for very early blooming the following spring, but in that case a dry situation is preferable, and they should be sown 4 or 5 inches deep, and not in the trench method.

PRICES for any of the below-named Sweet Peas, 5c. per packet (of about 100 seeds, enough for a single row 6 feet long); 10c. per ounce (300 to 400 seeds); 25c. per $\frac{1}{4}$ lb.; 75c. per lb. Delivered free in United States. Our collections containing our own selections of the very finest, handsomest, and most prominent kinds.

25 pkts.,	1 pkt. each of	25 named varieties	\$1.00
12 "	" "	" "	.50
6 "	" "	" "	.25

CHOICE NAMED VARIETIES

All Excellent Distinct Sorts

Alice Eckford. Rich, cream-tinted cerise standards, white wings; very beautiful.

America. Large, bold flower; white, striped with blood-red.

Apple Blossom. Bright pink and blush, beautifully shaded.

Aurora. Gigantic expanded shell form; both standard and wings are flaked and striped with orange-salmon on white.

Black Knight. Extra large flowers, large stems, glossy deep maroon, self-color.

Blanche Burpee. Superb, pure white; immense size, perfect form.

Blanche Ferry. Large pink and white flowers; very early; free flowering.

California. Very light soft pink; a shade lighter than Blushing Beauty.

Capt. of the Blues. Bright purple and pale blue.

Captivation. Glowing ruby-purple or bright claret; large shell-shaped standard.

Chancellor. Bright orange-pink.

Countess of Cadogan. Reddish-mauve standard; wings violet-blue.

Countess of Radnor. Standards delicate lavender; wings dark mauve; lovely.

Crown Jewel. Creamy white, veined with violet-rose.

Katherine Tracy. Exquisite bright pink; a large, perfect flower, very profuse; stands our hot sun without fading.

Lady Nina Balfour. The most delicate mauve imaginable, beautifully shaded with a charming dove-gray, which gives a most captivating charm to the whole flower.

Lady Mary Currie. Fiery orange-pink, wings orange-rose; very bright.

Lady Grisel Hamilton. Beautiful silvery lavender.

Lady Penzance. Beautiful bright rose; splendid form.

Little Dorrit. Pink standards; white wings; beautiful.

Lottie Eckford. Rose and white, edged with blue.

Lottie Hutchins. Penciled and clouded pink on straw yellow.

Mars. Bright fiery crimson, deepening with age; a large, round, expanded standard.

Duke of Sutherland. Purplish maroon standard; indigo-blue wings.

Duke of Westminster. Standard rosy-maroon; wings violet-purple.

Earliest of All. Similar to Blanche Ferry, but of dwarf habit and blooms ten days earlier. It grows but 3 feet high and needs no brush or trellis.

Emily Henderson. Absolutely pure white. Extra large, with broad, round standards that stand up boldly. The plants produce such an abundance of flowers that they appear as if covered with snow.

Emily Lynch. Rose-pink, shaded buff; softer in wings.

Golden Gate. Pinkish-mauve and lavender.

Gorgeous. Brilliant orange-salmon, wings deep rose.

Gray Friar. White-clouded, dotted lilac.

Her Majesty. Beautiful soft rosy pink; very large flowers.

Maid of Honor. Lavender and white, edged blue.
Modesty. Very delicate pink; a beautiful flower.
Mrs. Dugdale. Carmine rose, shaded yellow.
Mrs. Eckford. A large flower of a charming primrose-yellow; strong grower; profuse.
Mrs. Joseph Chamberlain. White ground, striped and shaded with bright rose.
Mrs. Gladstone. Delicate soft pink, with rosy blush wings.
Navy Blue. Dark indigo blue and violet, the best blue.
New Countess. A great improvement on the popular Countess of Radnor, as both standard and wings are a most beautiful, clear, light lavender throughout.
Othello. Splendid, large, dark brown chocolate-red, self-colored flower.
Pink Friar. Flaked and flushed pink on white.
Prince Edward of York. Finely expanded standards of a charming shade of scarlet, and large wings of the deepest rose color; one of the most effective.

Princess of Wales. White, striped lavender and mauve.
Queen Victoria. Cream, tinged rosy apricot; cream wings.
Ramona. Large flowers, creamy white, shaded pale pink.
Royal Rose. Standards deep carmine rose; wings a charming rosy pink; immense size.
Sadie Burpee. Pure white, strong grower, free flowering, and produces its flower on long, stout stems.
Salopian. Vivid red, but a darker shade than the scarlet of Firefly. Wings deep red, tinged with rose.
Senator. Chocolate and creamy white, mottled and blotched.
Shahzada. Rich, dark maroon with a shade of purple, most distinct and attractive.
Stella Morse. Primrose, flushed pink; very beautiful.
The Bride. Large, pure white flowers; similar to Blanche Burpee, but vines are of dwarfer growth.

Prices of any of above-named Varieties, 5c. per packet (of about 100 Seeds, enough for a single row 6 feet long); 10c. per ounce (300 to 400 Seeds); 25c. per 1-4 lb.; 75c. per lb. Delivered Free in United States.

SWEET PEAS IN MIXTURE

Our Own "High Grade" Mixed, comprising the finest Eckford and other new and choice large-flowering varieties. Per oz. 10c., $\frac{1}{4}$ lb. 25c., $\frac{1}{2}$ lb. 40c., lb. 75c.
Eckford's Mixed. Composed of Eckford's varieties only. Per oz. 10c., $\frac{1}{4}$ lb. 20c., $\frac{1}{2}$ lb. 30c., lb. 50c.
Standard Mixed. Per oz. 10c., $\frac{1}{4}$ lb. 20c., lb. 30c.

DOUBLE SWEET PEAS

Double Sweet Peas are of incomparable beauty. The flowers are extra large, frequently measuring over 2 inches across. They have from 2 to 3 standards and frequently 3 wings; these petals are beautifully incurved and frilled. **The flowers of these do not all come double,** but usually 20 to 40 per cent. of double blossoms are produced. Sometimes the flowers on a stem will all come double and sometimes all single, but generally doubles and singles are borne about half-and-half on each stem. In some uncongenial situations they have proved very inconstant, producing no double flowers at all, but in such cases they make up for the deficiency in doubles by producing in greatest profusion large beautiful single flowers.

Double Boreatton. Deep maroon.
Double Bride of Niagara. Carmine-rose; wings white, tinged pink.
Double Dorothy Vick. Scarlet, with crimson wings.
Double Senator. Striped indigo and maroon on white.
Double White. Pure snow-white.
Double Stemmed. Many flowers, white.
Double Sweet Peas, Mixed Colors.

Price for any of above Double Sweet Peas, 5c. per pkt., 15c. per oz. Collection of Double Sweet Peas, 1 pkt. each of the above 6 varieties, 25c.

CUPID SWEET PEAS

Compact, dwarf plants, not over 6 or 7 inches high, covering a circumference of about 18 inches, hugging the ground, with no tendency to either climb or trail. The innumerable short branches form a perfect tuft of green foliage, which soon becomes studded with flowers of good form and substance, and nearly as large as those of the climbing Sweet Peas. For edgings, low beds and for pot culture Cupid Sweet Peas are unique and wonderfully pretty.

Alice Eckford Cupid. Creamy-pink standard, wings white, flushed pink.

America Cupid. Striped blood-red and white.
Apple Blossom Cupid. A charming combination of pink and white.
Blanche Ferry Cupid. Standard bright rose-pink.
Captain of the Blues Cupid. Bright blue.
Countess of Radnor Cupid. Beautiful lavender flowers of large size.
Pink-Cupid. Bright pink.
White-Cupid. Pure white flowers.

Price for any of the above-named Cupid Sweet Peas, per pkt. 5c., per oz. 15c.

Cupid Sweet Peas. Mixed Colors, including many varieties, per pkt. 5c., per oz. 10c., per $\frac{1}{4}$ lb. 25c., per lb. 85c.

BUSH SWEET PEAS

Bush Sweet Peas are very attractive if planted as a hedge, allowing about six inches for each plant. They branch freely, and each plant is of **perfect bush form**, until about a foot high; when in full bloom they are 18 to 20 inches high, and a row will still remain self-supporting. The flowers are about two-thirds the size of the Tall Sweet Peas, borne two on a stem; the stems are about six inches long. Cut in connection with some of the foliage, which consists of attractive, narrow, light green leaves, the flowers are excellent for house decoration or bouquets. Their chief beauty, however, is seen when planted in a row, which, when in full bloom, is a **complete mass of flowers**.

Bush Blanche Burpee. Pure white.
Bush Blanche Ferry. Pink and white.
Bush Dorothy Tennant. Rosy heliotrope.
Bush. All colors mixed.
Gray Friar. Flaked and speckled blue, mauve on white.
Her Majesty. Crimson Rose.
Monarch. Purple with violet wings.

Price, any of the above varieties, per pkt. 5c., per oz. 15c., per $\frac{1}{4}$ lb. 50c., per lb. \$1.50.

SUNFLOWER

SINGLE VARIETIES

	Pkt.	Oz.
Cut-and-Come-Again. Mixed	\$0 10	\$1 00
Cucumerifolius Stella. Improved golden yellow flower with small, black center	5	40
“ Orion. New, with crisped petals	10	1 00
“ Type flower	5	25
“ Hybrida double, new double and semi-double var.; very fine	10	1 50
PERKEO. A miniature plant 12 in. high by 18 in. in diameter; flowers 3 in. across, golden, with black eye	15	2 00
Diadem. Large-flowering, citron	10	1 50
Thousand-Flowered	10	1 50
Bismarkianus. Tall, with abundant single, large flowers	5	25

DOUBLE-FLOWERING

Globosus Fistulosus. Double, enormous flowers; very double, best strain	5	25
Dwarf Double. Extra fine	5	25
Large Russian	5	10



Sunflower, Cut-and-Come-Again.

HARDY VARIETIES.

Missoaricus. Fine double yellow. Per pkt. 15c., oz. \$2.00.
Rigidus. Heavy stiff stem, clear yellow flowers. Per pkt. 25c.

THUNBERGIA

Ornamental free-blooming climbers of rapid growth, with handsome foliage and much admired flowers. They should be sown in a warm situation. Half-hardy annual.

Alata. Buff, with dark eye	per pkt. 5c.
Alba. White, with dark eye	“ “ 5c.
Bakeri. Pure white	“ “ 5c.
Freyeri. Orange	“ “ 5c.
Mixed.	Per pkt. 5c., oz. 50c.

TORENIA

Pretty plants for vases or hanging baskets. Succeed well in the open ground. Tender annual. 1 ft.

Fournieri. Porcelain-blue and rich violet; throat bright yellow. Per pkt. 10c.

White Wings. Pure white, with rose throat. Per pkt. 10c.



Torenia Fournieri.

SWEET WILLIAM (Dianthus Barbatus)

A well-known free-flowering favorite, unsurpassed for richness and variety of color. Very effective for bedding. Hardy biennial. 1½ feet.

	Pkt.	Oz.
Single. Finest mixed	5	35
“ Pure white	5	35
“ Dark red	5	35
“ Black “	5	50
“ Oculatus. Very bright color with eye	5	50
“ Marginatus. Bordered with eye	5	50
“ Holborn Glory. Extra large flowers; finest shades	10	1 00
Double. Finest mixed	10	1 50
“ Pure white	10	1 50
“ Dark red	25	4 00
“ Oculatus Marginatus. Bordered with eye	20	3 00



Double Sweet William.

S. & W. CO.'S VERBENAS

We take special pains with our strain of Mammoth Verbenas, continually selecting and keeping it up to the highest point for size of flowers, purity of color, etc. They should be sown early to get nice plants in time for spring.



Verbena, Mammoth.

VINCA

Beautiful. Fine for parlor, greenhouse or garden decoration. Their color can hardly be surpassed. Tender perennial. 1½ feet.

- Alba.** Pure white per pkt. 10c.
Rosea. Bright rose " 10c.
Rosea alba. White with rosy eye " 10c.
Mixed " 10c.

MAMMOTH FLOWERING ZINNIAS

Well-known favorites, suitable for every garden, blooming most profusely from July to frost. Hardy annual.

Double crimson (¾ ft.), purple, rose, scarlet, white, yellow, lilac and mixed. Per pkt. 5c., oz. 50c.

Imported collections, 6 varieties, 25c.; 12 varieties, 50c.

Zinnia Giant-Flowering, mixed. Per pkt. 10c., oz. \$1.00.

Curled and Crested Zinnias. Large double flowers, with petals twisted, curled and crested into the most fantastic and graceful forms. Usual range of colors. Per pkt. 10c.

Striped or Zebra Zinnias. Large double flowers of orange, crimson, pink, yellow, white, etc., striped and blotched with different colors. Mixed colors. Per pkt. 10c.

Nana Compacta Miniature. Very pretty; fine for edging, being considerably smaller and the plants dwarf and compact. Per pkt. 10c. **Pumila.** Very dwarf and growing very compact. Per pkt. 10c.

- S. & W. Co.'s Mammoth mixed** per pkt. 10c.
 " **Defiance, red** " 10c.
 " **Dark scarlet shades** " 10c.
 " **Rose and carmines** " 10c.
 " **Purple shades** " 10c.
 " **White, very beautiful** " 10c.
 " **Lemon scented** " 10c.
 " **Mixed** . . . per oz. \$1.00 " 05c.

Collection, 5 varieties, 50c.

SINGLE SWEET VIOLETS

(Double Violets. Do not Seed).

Large Flowering. Mixed colors. Hybrids between the sweet violet and the pansy, retaining the delightful violet perfume of the former, with beautiful pansy-like blossoms, 2 to 2½ inches across, of much substance and a variety of beautiful colors, shades, markings, blending, etc. The plants are hardy and vigorous. Per pkt. 10c.

WALLFLOWER

(Cheiranthus Cheiri).

Well known favorites, much esteemed for their fragrance; they prefer a sunny situation. Tender perennial. 1½ feet.

- Double and Single Mixed.** per pkt. 5c.
Single Annual Wallflower Novelty. " 25c.

WISTARIA

Of luxuriant growth, bearing in the spring immense panicles of purple or white flowers produced in great profusion. 75 feet.

- Wistaria, Chinese.** Blue per pkt. 10c.
 " " White. Fragrant " 10c.



Zinnia, Large-Flowering.

S. & W. CO.'S HARDY PERENNIAL FLOWER SEEDS

	Pkt.	1-16 oz.	1/4 oz.	1 oz.		Pkt.	1-16 oz.	1/4 oz.	1 oz.
<i>Ethionema coridifolium</i> , rose, Charming free-flowering plant.....	\$0	10	\$0	50	<i>Dianthus</i> (or <i>Pinks</i>) <i>plumarius flore pleno</i> , double and semi-double mixed.....	\$0	10	\$0	50 \$1 50
<i>Ethionema grandiflorum</i> , rose, Charming free-flowering plant..	10	50			<i>Dianthus plumarius</i> <i>Scoticus fl. pl.</i> , Scotch or Florists' <i>Pinks</i> , from prize flowers.....	25	3	00	
<i>Ethionema persicum</i> , pink, Charming free-flowering plant.....	10		\$0	50	<i>Dianthus plumarius semperflorens</i> , Florists' <i>Perpetual Pinks</i> ; hardy class, very fragrant, double, semi-double and single; great diversity of colors.....	25	1	00 3 00	
<i>Agrostemma coronaria</i> , red.....	5	15	40	\$1 00	<i>Dianthus plumarius semperflorens rubra</i> , new red varieties.....	25	1	50 5 00	
" <i>atrosanguinea</i> , dark blood red.....	5	15	40	1 00	<i>Eremurus himalaicus</i> . Per 100 seeds, \$2.00; per pkt. 10 seeds.....	25			
<i>Alpine pinifolia</i> (<i>gracilis</i>), pure white dwarf for edgings.....	10	25	75		<i>Gaillardia grandiflora</i> , splendid mixed varieties.....	10	40	1 00	
<i>Alstromeria brasiliensis</i>	20	1 00			<i>Helianthus missouriensis</i> . Per 100 seeds, 25c.; per 1000 seeds, \$2.00.				
<i>Alyssum argenteum</i> , yellow-flowered..	5	15	40	1 00	<i>Helianthus ridgus praecox</i> . Per 100 seeds, 50c.; per 1000 seeds, \$4.00.				
" <i>rostratum</i> , dwarf, yellow, floriferous.....	10	20	50	1 50	<i>Heliopsis Pitcheriana</i> , new, golden yellow, fine for cutting.....	5	20	50	
<i>Anchusa affinis</i> , dwarf, azure blue....	5	10	30	75	<i>Heuchera sanguinea hybrida</i> , many varieties mixed.....	10	40	1 00	
" <i>incarnata</i> , flesh.....	5	10	30	75	<i>Iberis gibraltarica</i> , large lilac flowers shading to white.....	5	15	40	\$1 00
<i>Anemone japonica elegans</i> , rose.....	10	40	1 00	3 00	<i>Iberis jucunda</i> , rose. Per 100 seeds, 25c.; per 1000 seeds, \$2.00.	5	15	40	1 00
" <i>Honorine Jobert</i> , white, splendid.....	10	40	1 00	3 00	<i>Iberis sempervirens</i> , white.....	5	15	40	1 00
<i>Anemone japonica</i> <i>Queen Charlotte</i> , new semi-double cream rose....	20	80	2 00		<i>Lathyrus latifolius</i> , scarlet.....	5	10	15	40
<i>Anemone pulsatilla</i> , violet lilac.....	5	15	40	1 00	" <i>alba</i> white.....	5	10	20	60
<i>Anthemis Kelwayi</i> , yellow.....	5	15	40	1 00	" <i>rosea</i>	5	10	15	40
<i>Antirrhinum</i> , tall <i>grandiflorum</i> , separate colors.....	5	15	40	1 00	<i>Leucanthemum</i> (<i>chrysanthemum</i>), maximum, large white.....	5	15	40	1 00
<i>Antirrhinum</i> , dwarf <i>grandiflorum</i> , separate colors.....	5	15	40	1 00	<i>Leucanthemum uliginosum</i> , large white, for cutting.....	10	40	1 00	3 00
<i>Aquilegia alpina</i> , blue.....	5	15	40	1 00	<i>Linum flavum</i> , yellow, fine.....	10	25	75	2 00
<i>Asclepias incarnata</i> , flesh.....	5	10	30	75	<i>Lobelia cardinalis</i>	25			
" <i>tuberosa</i> , orange, very fine..	10	50	1 50		" <i>cardinalis atrosanguinea</i> , new, dark blood.....	25			
<i>Aster Alpinus</i> , blue.....	10	40	1 00		<i>Lobelia cardinalis lugdunensis</i> , light rose.....	25			
" <i>alba</i> white.....	10	40	1 00		<i>Lobelia cardinalis Nanseniiana</i> , new, crimson purple, semi-dwarf, dark foliage, beautiful.....	25			
" <i>rubra</i> red, new.....	25	2 00			<i>Lobelia cardinalis</i> <i>Queen Victoria</i> , brilliant scarlet, darkest leaves, extra splendid hybrids, mixed.....	25			
" <i>speciosus</i> , very large.....	10	50	1 50		<i>Lobelia cardinalis hybrida</i> (<i>Gerardi</i>), splendid hybrids, mixed.....	25			
<i>Bellis perennis delicata</i> , white with red center.....	20	75	2 00		<i>Lupinus arboreus</i> , yellow tree lupin.....	10		15	50
<i>Bellis perennis</i> , Longfellow, rose....	20	75	2 00		<i>Myosotis palustris</i> , true Marsh Forget-Me-Not.....	20	40	1 00	3 00
" <i>Snowball</i> , white.....	20	75	2 00		<i>Poppy orientale</i> , flowers dark red....	25	50	1 50	4 00
<i>Bocconia japonica</i> , highly decorative..	5	15	40	1 00	" <i>hybrids</i> , mixed.....	25	50	1 50	5 00
<i>Campanula carpatia</i> , blue.....	5	15	40	1 00	" <i>nudicaule</i> , Iceland Poppies, single, mixed.....	10	15	40	1 00
" <i>white</i>	5	15	40	1 00	<i>Poppy nudicaule</i> , Iceland Poppies, double, mixed.....	25	50	1 50	4 00
" <i>fragilis</i> , blue, dwarf, very fine.....	25	1 00			<i>Phlox decussata</i> , from the choicest sorts, extra fine.....	20	40	1 00	3 00
<i>Campanula macrantha</i>	5	15	40	1 00	<i>Phlox decussata nana</i> , dwarf variety..	25	50	1 50	4 00
" <i>persicifolia</i> , blue, tall....	10	40	1 00		" <i>brilliant red</i> sorts....	25	50	1 50	5 00
" <i>alba</i> , fine.....	10	40	1 00		<i>Primula japonica</i> , purple, white, white with eye, carmine striped, salmon, sanguinea, splendida crimson, or mixed.....	20	1 00		
" <i>flore pleno</i> , about 50 per cent. true from seed.....	10	50	1 50		<i>Primula Sieboldii</i> , large flowering, superb. 500 seeds, \$1.00				
<i>Campanula persicifolia flore pleno alba</i> , about 50 per cent. true from seed	10	50	1 50		<i>Primula veris</i> , very fine quality, mixed.....	25	1 00		
<i>Campanula persicifolia grandiflora alba</i> (<i>Backhousei</i>).....	20	1 00	2 50		<i>Primula veris grandiflora</i> , new giant flowered.....	25	2 00		
<i>Campanula persicifolia grandiflora flore pleno</i> . Splendid novelties, about 50 per cent. true from seed.....	20	75	2 00		<i>Pyrethrum atrosanguineum</i> , fine.....	10	25	75	2 00
<i>Campanula persicifolia grandiflora flore pleno alba</i> . Splendid novelties, about 50 per cent. true from seed	25	1 00	3 00		" <i>roseum grandiflorum</i>	25	50	1 50	4 00
<i>Coreopsis grandiflora</i> , very large golden yellow flowers, for cutting.....	5	15	40	1 00	" <i>semi-double</i> , from a splendid collection.....	25	2 00		
<i>Coreopsis lanceolata</i> , yellow, very fine	10	20	50	1 50	<i>Scabiosa caucasica</i> , lilac, splendid....	25	50		
<i>Delphinium Barlowi</i> , large dark blue flowers, extra fine.....	25	1 00	1 75		" <i>alba</i> , new, very fine.....	25	1 00		
<i>Delphinium Brunonianum</i> , blue, musk-scented, quite distinct, per 1,000 seeds \$3.00.					<i>Scabiosa caucasica</i> , perfecta, fine, large and fringed.....	25			
<i>Delphinium cardinale</i> , scarlet, splendid.....	25	1 00	2 50		<i>Sedum aizoon</i> , yellow.....	25	1 00		
<i>Delphinium cashmerianum</i> , dark blue, very fine.....	15	40	1 25	4 00	" <i>Evarsi</i> , rose.....	25	1 00		
<i>Delphinium formosum</i>	5	15	40	1 00					
" <i>celestinum</i> , sky-blue, handsome.....	10	50	1 50						
<i>Delphinium flore pleno hybridum</i> , finest mixed.....	20	75	2 00						
<i>Delphinium La Mastadonte</i> , large, dark blue, beautiful, 1000 seeds, \$3.00.									
<i>Delphinium nudicaule</i> , scarlet, dwarf, compact.....	10	40	1 00						
<i>Delphinium zaili</i> , long spikes, yellow flowers.....	25	1 00	2 50						
<i>Dianthus</i> (or <i>Pinks</i>) <i>plumarius cyclops</i> , dark rose, crimson ring.....	25	1 00	2 50						

Group of *Nymphaea Marliacea* Varieties.

WATER LILIES

The cultivation of Aquatics is of the simplest. Their requirements are sunshine, water and plenty of rich soil. They are divided into two classes, hardy and tender. The former may be planted in ponds or sluggish streams, from early in the spring until August, and, under the same conditions as our native Water Lily, will grow luxuriously and flower profusely the entire season. Provide the same conditions in artificial ponds or tanks, and the results will be equally satisfactory. Plant the tender varieties at the approach of warm weather and when the water is warm. The plants can be grown indoors in pots until safe to transfer to summer quarters. The after-treatment is the same as for the hardy varieties. When grown in tubs only the moderate growers should be selected. In storing in tubs through the winter they should be kept where it is not warm enough to excite growth or so cold as to freeze. We do not, unless specially ordered, send out Water Lilies until the middle of May, but would prefer having the orders early, and we can then set them aside and ship at the proper time.

James Brydon. Among the late introductions none are so positively distinct as this superb variety. Flowers 5 to 6 inches in diameter; petals very broad, concave, incurving; color rich rosy crimson, reverse of petals having a silvery sheen; a full, self-colored flower without purplish or magenta shading. \$2.50 each.

Marliacea rubra-punctata. Flowers deep rosy purple, spotted carmine, stamens orange-red. A very choice variety and a free, continuous bloomer. \$2.00 each.

Tuberosa rubra. Flowers 5 to 7 inches in diameter, and of an exquisite shade of soft rosy red with bright red stamens, and with the same rich fragrance as *N. odorata*. The plant is of vigorous habit. \$1.50 each.

Wm. Doogue. A magnificent Lily of chaste and delicate coloring; flowers $5\frac{1}{2}$ to 6 inches in diameter, beautifully cup-shaped, and of a pleasing shell-pink color, with sepals royal pink. A very symmetrical and distinct flower of great substance, with petals of an extraordinary width. \$1.50 each.

General Collection of Hardy Nymphaeas

Alba. The well-known white European Water Lily. Strong-flowering roots. 50c. each, \$5.00 per doz.

Laydekeri lilacea. Flowers soft rosy lilac, shaded bright carmine, tea-rose fragrance; very free-flowering. An exquisite variety. 75c. each, \$7.50 per doz.

Marliacea albida. A vigorous variety; flowers large, of sparkling whiteness; stamens light yellow, sepals flushed pink; fragrant, and produced freely and continuously through the season. Very desirable. 50c. each, \$5.00 per doz.

Marliacea carnea. Similar to the preceding save in color, which is of a soft flesh-pink, deepening toward the base of the petals. 75c. each, \$7.50 per doz.

Marliacea Chromatella. A very free and vigorous grower, and should not be crowded; flowers 4 to 6 inches across, bright yellow; petals numerous, broad, concave; stamens deep yellow; leaves deep green, beautifully blotched with brown. A free and continuous bloomer, on which account it is a universal favorite. 75c. each, \$7.50 per doz.

Odorata. This is the fragrant Pond Lily of the north-eastern United States; flowers white, 3 to 5 inches in diameter; stamens yellow; leaves dark green above, under surface deep red to reddish green; splendidly adapted for planting in quantity in natural ponds for effect and for cut flowers. All Nymphaeas of this type are useful for naturalizing. 20c. each, \$2.00 per doz.

Odorata gigantea. Rice-field Water Lily of the south-eastern United States; leaves large, 12 to 16 inches across, green, under side at times tinged purplish toward margin, edge often turned up; flowers 4 to 7 inches across, pure white. A superb variety. 20c. each, \$2.00 per doz.

Odorata minor. A miniature form, growing in some sections in shallow water, also where water recedes entirely in the summer. A dainty, fragrant, white flower, 2 to 3 inches across. Can be grown in a tub. 20c. each, \$2.00 per doz.

Odorata rosea (Syn. *N. rubra*). Cape Cod Pond Lily; flowers 4 inches across; color a beautiful rose-pink, deeper in the center; stamens yellow; very fragrant and free-flowering; leaves dark reddish on both sides when young, becoming green above. 50c. each, \$5.00 per doz.

Odorata sulphurea. One of the very best hybrid Nymphaeas. The greatly fragrant flowers are sulphur-yellow, 4 to 5 inches in diameter, and standing 3 to 4 inches out of the water; leaves floating, as in the type, but blotched reddish on the under side; distinct. 50c. each, \$5.00 per doz.

Helvola (*Syn. N. tetragona Helvola*). Similar to the preceding, but with sulphur-yellow flowers; petals more pointed; leaves green, early stage reddish, blotched all over with brown; extremely free-flowering, and well adapted for growing in large aquariums or tubs. 30c. each, \$3.00 per doz.

Robinsoni. The large, floating flowers of this distinct and striking variety are difficult to describe, but may be said to have a ground color of yellow overlaid with purplish red, the general effect being dark orange-red. The foliage is dark green, spotted with chestnut above, dark red on the under side. A fine variety and should be in every collection. \$1.00 each.

Tuberosa rosea Flowers an exquisite shade of pink, standing above the water. A vigorous grower, but not so strong as the type. 50c. each, \$5.00 per doz.

Tuberosa Richardsoni. This variety should be included in every collection. Flowers pure white and quite double, the stamens being converted into petals which are more or less fluted in the center. The flowers stand well above the water; the sepals and outer petals drooping, forming a perfect globe. No variety in our Water Garden was admired by visitors more than this. This immense snowball-like flower, 8 inches in diameter, was declared to be the finest white Water Lily of all. 50c. each, \$5.00 per doz.

NELUMBIANS

Album Grandiflorum. (*Syn. A. floribunda*). A grand white variety, whose purity, fragrance, noble form, size, majestic foliage and hardiness stamp it as one of the very best. \$1.50 each.

Speciosum (*Egyptian Lotus*). The well-known and far-famed species. Its superb flowers and magnificent foliage produce a splendid sub-tropical effect. The flowers, which are about a foot across when fully opened, are of a deep rose color, creamy white at base of petals; exquisitely fragrant. 75c. and \$1.50 each.

Luteum (*American Lotus, Water Chinquepin*). A superb variety with yellow flowers. This variety is indigenous in the Western and Southern States. It has been introduced into the Eastern States, where, as a rule, it grows as freely as any native plant. 75c. each.

Note.—The prices given above are for tubers. Pot-grown plants can be supplied after June 1st at an advance of 25 per cent.

* Tender Day-Blooming Water Lilies

Nymphaea, Mrs. C. W. Ward. A hybrid of *N. gracilis*, possessing all the good qualities of that variety, but is a stronger grower, flowers much larger, being from 8 to 10 inches in diameter, and borne on stout stems fifteen inches above the water. Color deep rosy pink with golden-yellow stamens; a most desirable variety for cutting. Certificated at New York by the Society of American Florists. \$2.50 each.

— **zanzibarensis.** A superb Water Lily and the darkest blue or purple of the genus; leaves deep green above, under surface suffused violet, 8 to 15 inches across. Flowers 6 to 10 inches in diameter; petals numerous, deep blue; sepals green outside, deep purplish blue within; back of anthers dark crimson-violet; very free-flowering and exquisitely fragrant. \$1.50 each.

— **azurea.** Similar to the type, but flowers opening wider and of a lighter blue color. 75c. each, \$7.50 per doz.

Nymphaea zanzibarensis rosea. Flowers rose of various shades, otherwise like the type, but opening earlier in the morning. 75c. each, \$7.50 per doz.

— **capensis—Thunb.** (*Syn. N. scutifolia, D. C.; N. Cærulea B. M. 552, and American Gardens*). Cape Blue Water Lily; flowers rich sky-blue, 6 to 8 inches across; sepals green outside, whitish within, flushed blue. A very desirable species and useful for cutting. 75c. each, \$7.50 per doz.

— **gracilis.** A Mexican species of great merit, and the only white day-flowering tropical species in cultivation. Leaves green, 15 to 17 inches across, deeply and irregularly sinuate, angles of lobes rounded; flowers white, 6 to 8 inches across; petals numerous, lanceolate; stamens deep yellow, distinct and free-flowering. The flowers standing a foot or more out of the water, and possessing a delicate fragrance. Desirable for cutting. \$1.00 each, \$10.00 per doz.

Tender Night-Blooming Nymphaeas

This class is equally as beautiful as the day-flowering sorts, and are especially desirable for cutting, opening as they do soon after sunset, and remaining open until near noon next day. The flowers open and close 3 or 4 days in succession, as do the Hardy Nymphaeas.

Devoniensis. This variety was the first hybrid of note; leaves 18 inches across, of dark bronzy green, under surface greenish brown; flowers pure red, 6 to 10 inches in diameter; a universal favorite. 75c. each, \$7.50 per doz.

Dentata (*N. ortigiesiana Planch.*). The largest-flowering and best white night-blooming Nymphaea. Flowers measure from 8 to 12 inches in diameter, opening out horizontally; leaves dark glossy green, heavily dentated. 75c. each, \$7.50 per doz.

Kewensis. Leaves dark green, slightly bronzy, with a few brown blotches; young leaves more spotted on surface. Light pink flowers, 6 to 8 inches across. \$1.50 each.

Frank Trelease (*Crimson Devoniensis*). This superb tender night-blooming Water Lily surpasses all other red varieties by the brilliancy and depth of the rich, glowing dark crimson of its flowers, which are identical in form to *N. Devoniensis*, 9 to 10 inches in diameter; stamens reddish-bronze, crimson at the base; foliage 15 inches across, dentated, of a glossy dark bronzy red, resembling in color the foliage of Black Beauty Canna. \$2.50 each.

O'Marana. Leaves bronzy green, deeply dentated; margin occasionally crumpled; flowers of the largest size, 10 to 12 inches in diameter; petals pinkish red, with a nearly white streak up the middle; stamens orange. A vigorous grower and very free-flowering. \$2.50 each, extra size \$3.50 each.

Rubra-rosea. One of the best red Water Lilies in cultivation; leaves bronzy green, blotched brown; flowers large and massive, 8 to 10 inches across, rosy carmine; petals broad at base, pointed; tips of stamens orange-brown. \$1.50 each.

Miscellaneous Aquatics Tender Varieties

Limncharis Humboldtii (*The Water Poppy*). A pretty little aquatic, with oval leaves, and yellow, poppy-like flowers, standing out of the water. Fine for growing in shallow water or an aquarium. 15c. each, \$1.50 per doz.

Myriophyllum proserpinacoides (*Parrot's Feather*). Long, trailing stems, clothed with whorls of the most exquisite foliage, as finely cut as the leaves of the Cypress Vine, and much more delicate. Planted in a water-tight hanging basket, so water can be kept standing on the surface, it will trail finely. 10c. each, \$1.00 per doz.

SUMMER-FLOWERING BULBS

BEGONIAS—TUBEROUS-ROOTED

The beauty of this class of Begonias and their adaptability to almost all situations has made them a general favorite for summer garden decorations. They are now being used in large quantities for bedding purposes. Their flowers, large and brilliant in color, bid fair to eclipse in popularity the Geranium. Plant about May 15.



Begonia, Tuberous-Rooted.

NEW HYBRID GLOXINIAS

The handsomest of our summer-blooming plants, the rich and varied coloring of the flowers being beautiful in extreme, many of them beautifully speckled; flowers three inches long by two inches in diameter, upright and pendulous; colors various and exceedingly rich in appearance. Fine mixed, 10c. each, \$1.00 per doz.

CALADIUM ESCULENTUM

If ordered by mail add 15c. per dozen for postage.

One of the handsomest of the ornamental-leaved plants. It will grow in any garden soil, and is of the easiest culture. Plant in large pots for lawn decorations or for massing in beds; it is unsurpassed as a decorative plant. Plant about May 10. Each 10c., per doz. \$1.00; extra size, each 25c., per doz. \$2.50; mammoth, each 35c., per doz. \$3.50.

GIANT WHITE SUMMER HYACINTH

Luxuriant, free-growing summer-flowering plant, spreading two or three feet, throwing up great, tall spikes, four to five feet in height, each bearing 20 to 30 large white bell-shaped flowers, of the easiest culture, and fine for groups. Each 5c., per doz. 50c. If ordered by mail, add 10c. per dozen for postage.

Single-Flowering				Double-Flowering			
	Each	Doz.	100		Each	Doz.	100
White	5c.	50c.	\$4.00	White	10c.	\$1.00	\$6.00
Yellow	5c.	50c.	4.00	Yellow	10c.	1.00	6.00
Nankeen	5c.	50c.	4.00	Orange	10c.	1.00	6.00
Pink	5c.	50c.	4.00	Rose	10c.	1.00	6.00
Rose	5c.	50c.	4.00	D'k Rose	10c.	1.00	6.00
Red	5c.	50c.	4.00	D'k Red	10c.	1.00	6.00
D'k Red	5c.	50c.	4.00	Red	10c.	1.00	6.00
Salmon	5c.	50c.	4.00	Salmon	10c.	1.00	6.00
Orange	5c.	50c.	4.00	Mixed	10c.	.75	5.00
Mixed	5c.	40c.	3.00				

Collection, 1 each, single and double, 17 bulbs in all, for \$1.00.

Collection, 12 each, single and double, 204 bulbs in all, for \$10.00.

Begonia Duke of Zeppelin. Glowing orange red. Each 20c., per doz. \$2.00, per 100 \$15.00.

Begonia Lafayette. Beautiful deep scarlet. Each 25c., per doz. \$2.50, per 100 \$20.00.

BESSERA ELEGANS

Coral Drops. If stored during winter in a dry place and planted in the garden in the spring it can be grown with perfect ease; its umbels of bright coral-like flowers open in succession during fully two months of the late summer. The flowers are of vermillion red, variously marked with white on the inner surface; bright purple anthers. Height 1 to 2 feet. Each 5c., per dozen 50c., per 100 \$3.00.



Caladium Esculentum.

CANNAS

If ordered by mail, add 15c. per doz. for postage.

Cannas should not be planted until the warm weather sets in, or about May 15. If planted too early the bulbs are apt to rot.

Canna roots can be placed in sand in a warm place in the house during March and given plenty of moisture, and by May they will be advanced sufficiently to make a fair showing in about 2 to 3 weeks time after planting out.

Special Varieties of Recent Introduction

New Snow-White Canna, "Mont Blanc."

This magnificent new Canna is the result of many years' careful hybridizing, and we now have the pleasure of offering the finest white Canna in commerce. It blooms early and continuously in the greatest profusion the whole growing season. Its foliage is bright glossy green, very large and handsome, and it is a strong-growing, vigorous variety, and will produce from 15 to 20 flower stalks in a season. Its great masses of snowy-white flowers contrast finely with the crimson varieties. Price, dormant roots, 25c. each, \$2.50 per doz.

New Bronze-Leaved Canna, "Hiawatha."

Foliage a beautiful bronze, not a deep, dull, dead bronze; striped and variegated with rich green. The flowers are borne in big bouquets on strong, straight stalks. Individual flowers are large, have broad petals, gracefully rounded and slightly crimped. Color a delicate tint of rosy-pink, daintily dappled with silver-blush, and finished off with a border of clear cerise. Height, about 3 feet. Price, dormant roots, 10c. each, \$1.00 doz.

New Yellow Canna, "Gladiator."

A rugged, strong-growing variety, which withstands our summer storms better than almost any other Canna. The flowers are bright yellow, thickly spotted with crimson; blooms profusely. Heads are unusually large and borne on long, strong stalks with tough, deep green foliage. Price, dormant roots, 15c. each, \$1.50 per doz.

Shenandoah. A splendid red or bronzed-leaved variety.

The foliage is rich ruby red, exquisitely veined and tinted like some rare hot-house plant. It bears fine large trusses of beautiful waxy rose-pink flowers, and, unlike other red-leaved sorts, is a most early and abundant bloomer, highly ornamental, and sure to be in large demand when better known. The flowers are very much larger, and it blooms more freely than "Egandale," which variety it resembles in habit. Price, 10c. each, 75c. per doz.

Papa Nardy. New French Canna. Height, 4 feet.

Green foliage. A strong grower and free-flowering habit; large rounding flowers of a beautiful purplish-crimson. A great show when massed on account of its attractive color and free-flowering habit. A sensational plant. Price, 40c. each, \$4.00 per doz.

Burbank. 5 feet. Green foliage. The new American

Orchid-flowering Canna. Flowers gigantic, upper petals spreading fully 7 inches, form really semi-double. Toward the inner part the petals show fine crimson spots; rest of flower is rich canary-yellow. Price, 10c. each, \$1.00 per doz.



Grand Rouge. A gigantic dark-leaved Canna; has been grown to the height of 8 ft. 11 in., with bright scarlet flowers of fair size. When large masses of dark foliage are required, this Canna can fill a long-felt want; being a fine flowering variety will add to its value. The foliage is simply superb. Price, 10c. each, \$1.00 per doz.

Mrs. Kate Gray. The most robust-growing Canna in our collection, with broad and massive foliage of a bright glossy green; very much like the Abyssinian Banana in size and substance, and forming a beautiful foil to the gigantic trusses of flowers, which are of a rich shade of orange-scarlet overlaid with gold, and measure from 6 to 7 inches across. Price, 10c. each, \$1.00 per doz.

Pennsylvania. The flowers are often 7 to 8 inches across, with petals $2\frac{1}{2}$ inches broad. It will produce double the number of flowers of any other of the Giant-flowering Cannas. Leaves deep green, of grand size and proportions. Its size, pure, deep scarlet color and profuse-blooming habit place it at the head of Giant-flowering Cannas to date. Price, 10c. each, \$1.00 per doz.

New Scarlet Canna, "Chautauqua." A distinguished-looking Canna. Flowers pure, rich scarlet, intensely vivid; has luxurious tropical foliage prettily bronzed, and makes a splendid color contrast with its brilliant blossoms. "Chautauqua" has the habit of holding its rich bouquets of bloom high above the foliage, a feature which makes this variety especially valuable for massing. Price, dormant roots, 10c. each, \$1.00 per doz.

The Express. In color it is bright scarlet-crimson a shade lighter than that of Philadelphia—one of its parents. Large, broad-petaled flowers in immense, compact trusses. The bed is a mass of bloom the entire season. Under most favorable conditions it only attains a height of 3 feet, but generally 2 to 2½ feet. This, added to its free, clean growth, makes it an ideal crimson bedder. Price, 40c. each, \$4.00 per doz.

Red Indian. (Our seedling.) Height 4 feet. Dark, bronze leaf, strong, robust grower, sending up numerous flower stalks well above the foliage. Each stalk carries from five to six flowering spikes. Color deep scarlet; petals large and rounding. The bronze foliage and scarlet flowers make a grand contrasting effect. The only Canna of this color in bronze leaf. Price, 10c. each, \$1.00 per doz.

President Cleveland. This variety has attracted widespread attention the past season, and is conceded to be one of the finest introductions of late years. Color is bright orange-scarlet. A fine, compact, vigorous grower, throwing up numerous immense trusses with flowers of large size. Price, 10c. each, 75c. per doz.

Alemannia. The flowers are enormous and surpass in size even those of the Canna "Italia." Outer petals scarlet, with a very broad yellow border, inside scarlet and dark red. Price, 10c. each, 75c. per doz.

America. The foliage is bronze color, with dark red hues and metallic luster. The flowers are enormous, beautiful, glowing, purplish-red, flamed and striped. Price, 10c. each, 75c. per doz.

Chas. Henderson. Height 2½ to 3 ft. Color brilliant deep crimson; broad, deep green foliage. Price, 5c. each, 50c. per doz.

Chicago. One of the best scarlet Cannas. Price, 5c. each, 50c. per doz.

Paul Marquant. Bright salmon flowers of very large size. Price, 5c. each, 50c. per doz.

Black Prince. Intense dark velvety-maroon; grows strong and erect, 3 to 4 ft.; fine dark red stems, and deep green leaves edged with purple. A superb variety in its color. Price, 10c. each, \$1.00 per doz.

Martha Washington. One of the best, and the most superb pink variety yet introduced. The flowers are very large and frequently have five broad petals; the trusses are immense, and the color pure bright rose. Height, 2½ to 3 feet. Price, 10c. each, \$1.00 per doz.

Italia. Brilliant scarlet flowers, spotted and deeply bordered with yellow. Price, 5c. each, 50c. per doz.

Austria. Giant golden yell. w. Price, 5c. each, 50c. per doz.

Sou. du President Carnot. Brilliant cherry-red flowers; splendid habit, deep purplish-bronze foliage. Price, 10c. each, \$1.00 per doz.

Luray. Large, well-formed flowers of a very attractive rosy-pink color. A very free bloomer. Price, 10c. each, \$1.00 per doz.

Finest Mixed. Dwarf French Cannas, per doz. 50c.

" " Tall-Flowering " per doz. 50c.



Canna in Tub.

Gloriosa. A splendid dwarf variety of the Queen Charlotte type, vigorous, healthy habit, 18 inches to 2 feet in height. Foliage broad, of a bright rich green. The flowers are borne in massive trusses, measuring 9 inches or more in length and 6 to 8 inches in diameter. The individual florets are 4 to 5 inches across, of a rich scarlet-crimson color, broadly margined, with a distinct golden-yellow band. Price, 10c. each, \$1.00 per doz.

Secrétaire Chabanne. Distinct and pleasing salmon; 3 feet. Price, 10c. each, \$1.00 per doz.

Mlle. Berat. The nearest approach to a pink in a first-class bedder. Foliage green; 4 feet. Price, 15c. each, \$1.50 per doz.

Robusta. This variety, with good cultivation, will grow fully ten feet high, with immense leaves, 4 feet long, 1½ feet in width, of dark bronze and green colors. Price, 5c. each; 50c. per doz.

Mme. Crozy. Immense trusses of bright scarlet flowers, with a distinct border of bright yellow; foliage green; 3 feet.

COLLECTIONS OF SUMMER FLOWERING BULBS

These Collections are made up of the Finest Varieties of their Respective Class

COLLECTION A	COLLECTION B	COLLECTION C
25 Bulbs in 8 Varieties for \$1.00	50 Bulbs in 12 Varieties for \$2.00	100 Bulbs in 13 Varieties for \$5.00
3 Begonias, single mixed	4 Begonias, single mixed	6 Begonias, single mixed
2 Caladium Bulbs	2 Caladium Bulbs	6 Begonias, double mixed
3 Bessera Elegans	4 Bessera Elegans	6 Bessera Elegans
3 Summer Hyacinths	4 Summer Hyacinths	6 Summer Hyacinths
3 Cannas, Dwarf French	4 Cannas, Dwarf, French	6 Cannas, Dwarf, French
3 Dahlias, three varieties	3 Dahlias, three varieties	6 Dahlias, in six Cactus varieties
6 Gladiolus, finest mixed	12 Gladiolus, finest mixed	18 Gladiolus, finest mixed
2 Madeira Vines	2 Madeira Vines	3 Madeira Vines
	3 Lily Bulbs	3 Cinnamon Vines
	3 Tuberose Bulbs	6 Lily Bulbs, three varieties
	6 Montbretias	10 Tuberose, first size
	3 Oxalis	12 Montbretias, mixed
		12 Oxalis
25	50	100

STUMPP & WALTER CO.'S NOVELTIES

CACTUS DAHLIAS—PLANTS

Winsome New White Incurved. This is unquestionably the finest white incurved Cactus Dahlia yet raised. It is pure white in color, with the exception of the faintest tinge of yellowish green toward the bases of the center petals of the flower, and is the first incurved variety in this color. The petals are long and of good substance, the outer ones incurving in an elegant manner. The form of the flower is all that can be desired, and it is recommended as an excellent variety for either exhibition or decorative purposes. Every bloom is produced boldly above the foliage upon a footstalk that is unequaled in point of its wiry nature in any known kind extant. Price, plants 50c. each, \$5.00 per doz.

Mrs. Amos Perry. A vivid velvety-crimson variety, of good form and substance. It is a bold variety and one that we have no hesitation in recommending as a garden variety par excellence. Price, plants 50c. each, \$5.00 per doz.

Red Cap. This is unquestionably the best quality bloom in the red section of Cactus Dahlia. It is a vivid crimson-scarlet in color, and of the most refined build. The habit of growth of the plants is all that can be desired, and the blooms are borne well above the foliage. We regard this as a variety that will be in great demand. Price, plants 50c. each, \$5.00 per doz.

Flamingo. Intense flame color. The florets are fringed. Price, plants 30c. each, \$3.00 per doz.

Miss Grace Cook. The form is good and the color is rose-white. Price, plants 30c. each, \$3.00 per doz.

Mars. Soft crimson with a distinct silk-like sheen. Price, plants 30c. each, \$3.00 per doz.

Alpha. White ground speckled and striped freely with purple, crimson and lilac. Price, plants 30c. each, \$3.00 per doz.

Gabriel. The ground color is a soft, velvety crimson, having a faint cinnamon hue at the bases of the florets; the upper part of each floret for about half its length is snow white. Price, plants 30c. each, \$3.00 per doz.

Gen'l Buller. Rich, velvety crimson, nearly black at the base. Every floret as it expands has a pure-white tip, while those in the center exhibit a tinge of plum color. Price, plants 30c. each, \$3.00 per doz.

J. H. Jackson. Brilliant crimson-maroon. Price, plants 30c. each, \$3.00 per doz.

Miss A. F. Perkins. Sulphur yellow tipped with pure white. Price, plants 30c. each, \$3.50 per doz.

Mrs. Freeman Thomas. Clear yellow, shading to light orange toward the points of the petals. Price, plants 30c. each, \$3.00 per doz.

Mrs. H. J. Jones. Scarlet, edged cream and heavily tipped white. Price, plants 30c. each, \$3.00 per doz.

Mrs. Walter. Pure, delicate white with a tinge of red at the center, and slight red stripe. Price, plants 30c. each, \$3.00 per doz.

Richard Dean. Rich vermilion-scarlet, each floret distinctively tipped white. Price, plants 30c. each, \$3.00 per doz.

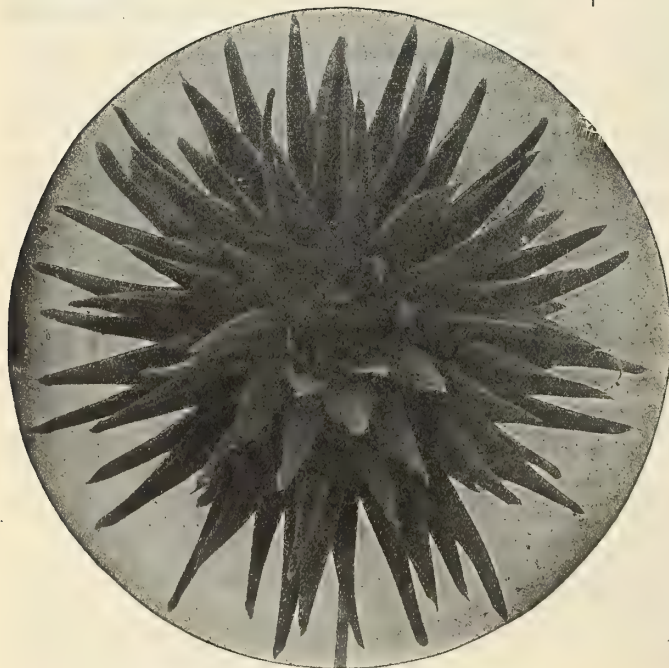
J. Weir Fife. Ground color clear purple, with darker shades. Very handsome. Price, plants 30c. each, \$3.00 per doz.

Mrs. J. J. Crowe. One of the finest clear yellow Dahlias. Price, plants 30c. each, \$3.50 per doz.

Kreimhilde. Fresh, delicate pink, shading to white in the center. The finest pink Cactus Dahlia introduced, and as a cut flower likely to supersede all existing pink sorts. Price, plants 30c. each, \$3 per doz.

All the above **New Cactus Dahlias** are supplied in plants only, and will be ready April 25th. We would like orders placed as early as possible. The above prices include delivery, and we will guarantee safe delivery.

Collection: One plant each of the above 18 varieties delivered free for \$5.50.



New Bright Red Cactus Dahlia—Mars.

New and Rare CACTUS VARIETIES—ROOTS

Gloriosa. 4 ft. Medium to large size, with long, narrow, twisted petals; color, deep, bright red, shaded scarlet.

Matchless. 4 ft. Rich, deep, velvety maroon, with long, pointed petals, and flowers thrown well above the foliage.

Beatrice. 5 ft. Deep rose pink, with long twisted petals; very large.

Earl of Pembroke. 3 ft. Bright plum, deeper and more velvety toward the center; petals long, pointed and regularly arranged. One of the best.

The Queen. 4 ft. Truly rightly named. A pure snow white. It is an elegant flower; has long stiff stems, which throw the flowers well above the foliage. Will be greatly used by florists and others as a cut flower.

John H. Roach. 4 ft. Finest soft yellow petals, long and twisted.

NEW AND RARE CACTUS VARIETIES—ROOTS—(Continued)

Harmony. 4 ft. Large crimson flowers shading to old gold in center, with long, curling petals.

Capstan. Soft brick-red, shaded apricot. Remarkable for its free and early flowering.

Chas. Woodbridge. A magnificent flower; rich crimson-purple.

F. Bartels. 4 ft. Bright scarlet; when first opening shows a pretty violet shade.

Mary Service. 3½ ft. Light orange-scarlet, gradually shading to deep rose on the tips of the petals.

Profusion. 4 ft. Bright lavender pink, with long, pointed petals; most profuse bloomer.

Price, bulbs 20c. each, \$2.00 per doz., by mail or express, charges paid.

DECORATIVE DAHLIAS ALL EXCELLENT VARIETIES



Maid of Kent.

Admiral Dewey. 4 ft. (Decorative.) Brilliant Imperial purple. Of fine form; a strong grower, and by far the best of its class. 25c. each, \$2.50 per doz.

Maid of Kent. 4 ft. Cherry red, tipped white; sometimes a solid color, when it is a superb red.

John Elitch. 5 ft. Large, perfectly formed, and of a deep, rich red. A tall grower and blooms rather late.

Clifford W. Bruton. 6 ft. The finest pure yellow decorative Dahlia; of immense size, 5 to 6 inches in diameter; of full Chrysanthemum form and full to the center; a strong, vigorous grower and an extremely profuse bloomer to have so large a flower. No collection is complete without this superb variety.

Henry Patrick. 3 ft. A superb pure white variety of large size and borne on long stems; excellent for cutting; strong plants only.

Mephisto. Very large; bright, rich vermilion scarlet.

Price 20c. each, \$2.00 per doz., by mail or express, charges paid.

Lemon Giant. Flowers of immense size, pure lemon, without tint or streak. Strong-growing, free-blooming, and always full to the center.

Nymphaea. 4 ft. By far the most delicately beautiful Dahlia ever introduced; more extensively grown for cut flowers than all others combined; the flowers are of medium to large size, always full to the center, resembling the ideal pink water-lily; the color is a clear, distinct, light shrimp pink, tinted lighter toward the center.

Oban. Very large flowers of beautiful and distinct form and a distinct color, being a rosy lavender, overlaid with delicate silvery fawn; strong growing and early and continuous blooming.

Mrs. Geo. Reed. 3 ft. One of the best of this class; pure white, beautifully edged and flaked soft rosy lake; the petals overlap each other and are deeply cleft.

Marchioness of Bute. 3 ft. Very pretty; pure white, heavily tipped deep pink.

Zulu. 3 ft. Rightly named "The Black Dahlia"; jet black, changing to black maroon as the flowers fully expand; of fine form and full to the center.

20c. each, \$2.00 per doz., by mail or express, charges paid.

FANCY DAHLIAS

THIS CLASS HAS FLOWERS STRIPED, TIPPED, MOTTLED, PENCILED AND VARIEGATED IN ALMOST EVERY CONCEIVABLE MANNER

American Flag. 3 ft. Pure white, striped crimson.

Penelope. 3½ ft. White, flaked lavender; very fine.

Mrs. Stancombe. 4 ft. A peculiar and pleasing fancy Dahlia; straw, suffused amber, striped red; mottled and tipped pinkish white.

Decorator. White, suffused pink, spotted and penciled with crimson.

Heatherbell. 4 ft. Very large, full round form, high center; deep lavender pink, penciled and striped dark crimson lake.

Rudolph Kuhl. Dark, velvety maroon; tipped white; very profuse. 15c. each.

Miss Browning. 4 ft. Of exquisite form; pure yellow, tipped pure white.

Chang. 4 ft. Very large; salmon buff; striped crimson.

Elegans. 4 ft. Rosy purple, tipped and banded white; quilled petals.

Keystone. 3½ ft. Pink; striped crimson; large and fine.

Striped Banner. 3 ft. Crimson scarlet; tipped white.

Silver Tip. A charming new Fancy Dahlia, and especially valuable on account of its profuse blooming qualities, combined with long, slender stems, perfect form and bright colors. Color, pure canary yellow, tipped white.

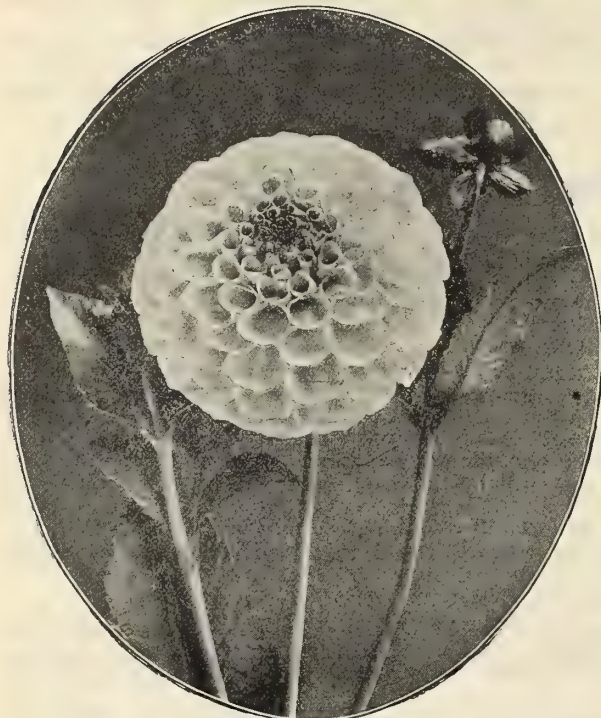
Price 20c. each, \$2.00 per doz., by mail or express, charges paid.



Fancy Dahlia.

NEW AND RARE SHOW VARIETIES

THIS CLASS HAS LARGE, ROUND AND FULL FLOWERS, ALL OF SOLID COLORS, OR EDGED AND TIPPED DARKER



A. D. Livoni.

Arabella. 3½ ft. An early and profuse-flowering variety, of large size and perfect form; color pale primrose, tipped and shaded old rose and lavender. One of the loveliest of this section.

A. D. Livoni. 3½ ft. Beautiful soft pink with quilled petals and full to the center; an early and profuse bloomer.

Duchess of Cambridge. 5 ft. White, suffused pink, tipped and edged shades of purple.

Emily. 4 ft. One of the best; varies from rosy lavender, to white, suffused lavender; a large, beautiful and striking flower.

Psyche. 3 ft. Pale primrose, shaded rose; a dwarf-branching plant, and one of the most profuse bloomers.

Geo. Smith. Fine, large, of perfect form; crimson.

Paul's Scarlet. Brightest scarlet.

May Oakleigh. 3½ ft. Of medium size; deep lilac; a profuse bloomer; has long stems.

Margaret Braunt. 2½ ft. Dwarf and free; pure white.

Souv. de Mme. Moreau. 4 ft. Very large, of perfect form; deep pink; very fine for cutting.

Orlando. Buff, shaded old gold, edged darker; large, of fine form.

Ethel Britton. Very large; white, suffused and overlaid soft lavender-pink. Beautiful form. Plants only.

Price 20c. each, \$2.00 per doz., by mail or express, charges paid.

POMPON OR BOUQUET DAHLIAS

Rosalie. Yellow, tipped crimson; of good form.

Rougiere Chauviere. A beautiful Pompon; fine form; profuse bloomer; delicate crimson, mottled and striped pink, sometimes pink penciled white; seldom two flowers alike.

Catherine. The best pure yellow; of fine form, full to the center, and borne on long stems.

Lilian. Small, finely formed delicate pink.

Vivid. Intense vivid scarlet; fine form.

Aillett's Imperial. 3 ft. White, suffused pink; tipped imperial purple; always perfectly formed.

Little Beauty. 3 ft. Delicate shrimp pink of full round form and beautifully quilled petals; it has long, graceful stems especially adapted for bouquets.

Little Diavola. 3 ft. Pink, tipped crimson-maroon.

Prince Charming. 3½ ft. White penciled, suffused and heavily tipped purple-pink; a strong grower, of good form, and blooms until frost.

Klein Domatia. 2½ ft. Salmon-buff; profuse; fine.

Mignon. 3 ft. Deep, rich crimson.

Snowclad. 2½ ft. The finest white pompon to date.

Price 20c. each, \$2.00 per doz., by mail or express, charges paid.

"THE DAHLIA"

A practical treatise on the habits, characteristics, cultivation and history of the Dahlia. By L. K. Peacock. A beautifully illustrated book, given free with every order for Dahlias amounting to \$3.00. Price 30c.



Little Beauty.



Collection New Seedling Single Dahlia Flowers.

S. & W. Co's New Seedling Single Dahlias

These varieties of single Dahlias are the cream of at least 20,000 seedlings, and are by far the finest single Dahlias ever offered, and should be grown in every collection.

	Each.	Doz.
Striped	25c.	\$2.50
Margined	25c.	2.50
Crimson	25c.	2.50
Scarlet	25c.	2.50
Maroon	25c.	2.50
Pink	25c.	2.50
Lavender	25c.	2.50
Purple	25c.	2.50
Yellow	25c.	2.50
White	25c.	2.50
Red	25c.	2.50
Salmon	25c.	2.50

Collection—1 root each of the above 12 varieties..... \$2 75 }
 " 10 roots " " " " " 12 " 20 00 } delivered, express charges paid.

SINGLE DAHLIAS—General Collection

Embracing only distinct colors and free bloomers. Single Dahlias are again coming to the front for bouquets, and they make beautiful blooming plants.

Fashion. 4 ft. One of the best high-colored sorts; crimson-maroon, flamed purple; light disk.

Novelty. 2½ ft. (The fragrant Dahlia.) Bright pink, spotted, pencilled and striped deep, rich crimson. Fine form, and a strong, dwarf grower; good stems.

Mrs. L. C. Bassett. 3 ft. Maroon, striped lilac.

Serapietala. 3 ft. Bright red; petals cleft at tips.

Snow Queen. 3 ft. Best pure white; single.

Sunningdale. 4 ft. Rich, creamy white; tinged pink.

Price, 20c. each, \$2.00 per doz., by mail or express, charges paid.

S. & W. Co's Orchid-Flowered Single Dahlias

The most wonderful novelty ever introduced. This superb new class of Dahlias we originated and developed after many years of careful selecting and hybridizing. We offer this year varieties which surpass in every way any other Dahlia in existence. The flowers measure from 5 to 7 inches across.

	Each
Twentieth Century. Rosy crimson, white tips.....	25c. bulbs
Leone. Pure white, blush band.....	50c. "
Scarlet Century	75c. plants

	Each
Crimson Century	75c. plants
Lavender Century	50c. "
White Century	75c. "
The Record. Yellow, scarlet band.....	50c. "

Pink Century—This is a most exquisite flower, measuring six to seven inches in diameter, with great keeping qualities. The color is beautiful, delicate, shrimp-pink on a white ground, making it the finest and most delicate of all the orchid-flowered singles. Plants, \$1.00 each.

Collection—One each of the above 6 plants and 2 bulbs for \$4.50, delivered by express, charges paid; plants ready April 25th, bulbs at once.

GLADIOLUS



GROFF'S GOLD MEDAL COLLECTION

This collection is made up from the choice, new varieties exhibited in St. Louis in 1904 and contains varieties of such high proven quality that no grower, however critical, can wish for better value.

In its preparation, over 600 named varieties have been discarded and every desirable section known is represented—Gandavensis, Lemoine, Nanceianus, Blues, and New Hybrids.

Groff's Newest Reds, Scarlets and Crimsons. The world's commercial strains, offer few equal and none better. Per doz. \$1.00, per 100 \$7.00.

Groff's New White, Light, and Yellow. All shades of white, cream and yellow in many combinations, relieved by stains and blotches of rich colors in

most pleasing contrasts. Per doz. \$1.25, per 100 \$8.00.

Groff's Rare Blues, in Clematis, Lilac, and Heliotrope Shades. New Hybrids of Papilio Major, practically unknown. Bulbs $\frac{3}{8}$ to $\frac{5}{8}$ inch in diameter, the only size offered. Per doz. \$1.50, per 100 \$9.00.

GROFF'S HYBRID SEEDLINGS MIXED

The Most Popular Strain in America. These are much more vigorous than others. They are very tall and erect, often standing 4 or 5 feet high, with spikes of bloom over 2 feet long. The flowers are of great substance and of gigantic size, frequently 7 to 9 inches across. Every color known among Gladioli is represented,

and many never before seen, particularly blues, smoky grays and purple blacks, all having beautifully mottled and spotted throats, made up of white, crimson, pink, yellow, etc. Mixed colors, per doz. 35c., per 100 \$2.00, per 1000 \$15.00.

GLADIOLUS HYBRIDUS PRINCEPS

Hybrid between the rare African *Gladiolus cruentus* and a selected *Chilidsii* seedling. Grows 4 feet high with broad, healthy foliage. Spike erect and often 18 inches long, bearing 16 to 22 immense broad-petaled circular flowers, opening flat and perfect, 5 to 7 inches across. Color true Salvia scarlet with cream-white feathering on lower petals. Endures the sun and wind well, and

opens perfectly to the last bud in water. Blooms normally in August, but may be had late in October by delaying planting. Forces splendidly. Has received an Award of Merit and Diploma of Honor at American Institute Fair, New York, 1901 and 1902, and Award of Merit Royal Horticultural Society, London, England, 1901. Price, each 30c., per doz. \$3.50, per 100 \$25.00.

Field of *Gladiolus*.

GLADIOLUS

If ordered by mail, add 10c. per doz. for postage; the prices listed are for express only, buyer paying express charges.

The *Gladiolus* is the most beautiful of the summer-flowering bulbs, bearing tall spikes of flowers of almost every desirable color—brilliant scarlet, crimson, creamy white, striped, yellow and blotched. They may be planted from the first of April until June, and will do well in any good garden soil. Before hard frost, take up the bulbs, remove the tops, allow them to dry in the air for a few days, and store in some cool place, safe from frost, until spring.

Meadowvale Mixture. This mixture comprises, some of all the varieties we catalogue, and where a first-class mixture is wanted we can safely recommend it, as we know it will give entire satisfaction. Price, per doz. 35c., per 100 \$2.00, per 1000 \$15.00.

General Mixture. Per doz. 25c., per 100 \$1.50, per 1000 \$12.00.

Ordinary Mixture. Per doz. 20c., per 100 \$1.25, per 1000 \$10.00.

Lemoines Mixed. Per doz. 30c., per 100 \$2.00, per 1000 \$15.00.

Lemoines, Extra Fine, Mixed Per doz. 50c., per 100 \$3.50, per 1000 \$30.00.

Childsii Mixed. Per doz. 50c., per 100 \$3.50, per 1000 \$30.00.

	Doz.	100	1000
Pink and Rose mixed	\$0.40	\$2.50	\$20.00
Yellow and Orange .....	.75	5.00	45.00
Striped and Variegated .....	.50	3.50	30.00
White and Light.....	.40	3.00	25.00
Scarlet and Red.....	.25	1.50	12.00

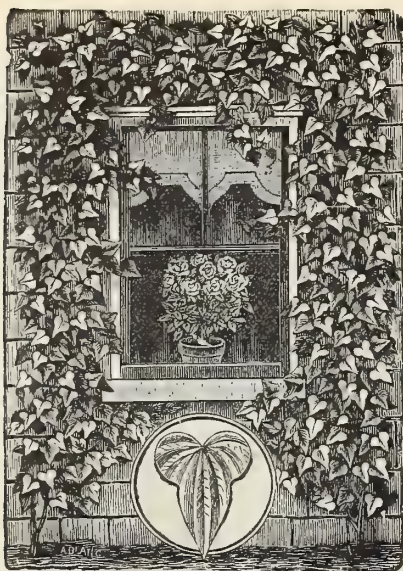
NAMED VARIETIES

	Each	Doz.	100
Agusta , pure white blue anthers.....	\$0.10	\$1.00	\$ 7.00
Brenchleyensis , vermillion scarlet ...	.3	.30	1.50
Baron Staffe , creamy white, red throat.....	.10	1.00	8.00
Ceres , pure white spotted purplish rose	.5	.50	3.00
Gil Blas , salmon rose, fire red blotch	.10	1.00	8.00
Geo. Paul , crimson red, mottled.....	.10	1.00	8.00
Jane Dieulafoy , white-flaked pink.....	.25	2.50	20.00
May , pure white, flaked rosy crimson...	.5	.50	3.00

	Each	Doz.	100
Mad. Monneret , delicate rose	\$0.05	\$0.40	\$2.50
Mrs. Beecher , rosy crimson, white throat, marked and spotted.....	.10	.60	3.50
Shakespeare , white very slightly suffused, with carmine-rose, large rosy blotched.....	.15	1.25	8.00
Senator Volland , very large flowers, pure blue, dark violet blotch, with a yellow stain, striped blue.....	.50	4.00	30.00

Collection, 1 bulb each above 12 varieties, \$1.30, postpaid

Collection, 12 bulbs each above 12 varieties (144 bulbs), \$12.00, express prepaid



Cinnamon Vine.

Germania. Very large orange scarlet, the best new variety. Per doz. \$1.25, 100 \$9.00.

Golden Sheaf. Pure golden yellow. Per doz. 50c., 100 \$4.00.

Sunbeam. Rich yellow spotted brown, large flowers. Per doz. 20c. 100 \$1.50.

Sunset. Golden yellow. Per doz. 20c., 100 \$1.50.

Pottsii Grandiflora. Inside golden, outside bright red. Per doz. 20c., 100 \$1.50.

Fine Mixed. Per doz. 15c., 100 \$1.00.

TUBEROSE, Double Excelsior Pearl

If ordered by mail add 10c. per doz. for postage.

This pure white, perfectly double, fragrant flower is too well known to need any description. Plant when the ground is warm, in good, rich soil. Our bulbs are extra selected, first size, and are sure to flower if properly treated. Each 5c., doz. 35c., 100 \$2.00. Mammoth bulbs, each 10c., doz. \$1.00, 100 \$4.00.

TIGRIDIAS

Extremely handsome summer-flowering bulbs, growing about 2 feet high, producing large, gorgeous flowers, exquisitely spotted; flowers profusely throughout the summer. Separate colors of yellow, crimson and white. Each 5c., doz. 50c.

OXALIS, Summer-Flowering

Valuable for edging walks, flower beds, etc. Bulbs planted 3 inches apart form rounded rows of delicate foliage, about 1 foot high, which produce flowers in endless succession.

Lasiandra. Rosy pink. Per doz. 10c., 100 50c.

Deppei. Rosy white. Per doz. 10c., 100 50c.

DIELYTRA SPECTABILIS, or Bleeding Heart



Oxalis.

CINNAMON VINE
Dioscorea Batatas. A beautiful rapid-growing summer climber, with bright green glossy foliage, and spikes of deliciously cinnamon-scented white flowers. It is perfectly hardy, the stem dying down in winter but growing with great rapidity in the spring, so as to cover any trellis or arbor very early in the season. Large select roots. Each 5c., doz. 50c., 100 \$3.00.

MILLA BIFLORA

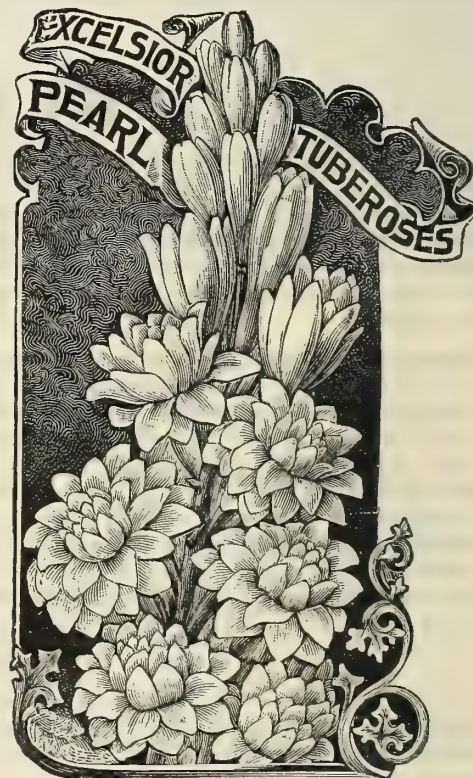
Mexican Star Flower. A beautiful summer-blooming bulb, for sunny positions. A row or bed of them is always in flower after the middle of summer and very attractive. Flowers star-shaped, 1½ inches across, clear waxy white, of great substance, enlivened by a frost-like sparkle; the fragrance is delightful. Place a stalk in water and the flowers will all open; we have seen 11 stalks shoot up successively from one bulb. The bulbs flower profusely and with great certainty. Height, 12 to 18 inches. 3c. each, 30c. per doz., \$2.00 per 100.

MONTBRETIAS

Hardy summer-flowering, bulbous plants, with brightly colored flowers borne on long graceful spikes. Valuable for cutting. They should be planted in groups and left undisturbed.

Bouquet Parfait. Vermilion, deep golden center. Per doz. 30c., 100 \$2.00.

Star of Fire. Bright vermilion, center yellow, outside blood red. Per doz. 40c., 100 \$3.00.



A well-known ornamental spring-flowering plant with green foliage, and bearing racemes of pink and white heart-shaped flowers. Plant as soon as the ground can be worked. They may be left undisturbed for years. Each 15c., per doz. \$2.00. By express only.

MADEIRA VINE

The old favorite "Climbing Mignonette." Thick, glossy leaves, and long, hanging stems of feathery, fragrant white flowers. 2 for 5c., 25c. per doz., \$2.00 per 100.

LILIES

All Lilies delight in rich soil, such as is afforded by a mixture of loam and well-rotted manure. When grown in the border or open ground they should remain undisturbed for years, frequent removals being injurious. In the autumn give the bulbs a heavy mulching of leaves; coarse manure or boughs will prove highly beneficial. Plant all Lilies at least six inches deep. When Lilies are ordered at 100 rates buyer pays transit.



Liliium Auratum Frank Henry.

New Auratum Lily Frank Henry. The new Lily is a natural cross or hybrid; roughly speaking it is in form and texture between the ordinary Auratum and a fine macranthum. The markings are those of the Auratum, with many variations of color. Some are deep golden yellow, some soft yellow, some are densely spotted. But in all instances the substance of the flower is very good; in size the flower is like a fine macranthum; the inner petals are very wide, so that they generally overlap one another near the base. The flower thus is much superior to the ordinary Auratum in size, form and substance. The foliage is also quite distinct, the leaves being broader than the Auratum leaves, and they are of a very fine deep color. Price 75c. each, 2 for \$1.25, \$6.00 per doz., post-paid.

L. Auratum (*The Golden-rayed Lily of Japan*). The flowers are pure white, thickly studded with crimson spots, while through the center of each petal runs a clear golden band. Fully expanded, the flowers measure nearly a foot across, are produced abundantly from June to October, and possess a most delicious fragrance. 3 to 5 feet.

9 to 11 in. bulbs 15c. ea., \$1.50 doz.
11 to 13 in. bulbs 30c. ea., 3.00 doz.

L. Auratum Vittatum Rubrum. Probably the grandest Lily in cultivation. Magnificent flowers 10 to 12 inches across, clear waxy white with a burnished crimson stripe half an inch wide, through the center of each petal, and the rest of the flower beautifully spotted with crimson. Highly perfumed. 75c. ea., \$7.50 doz.

L. Auratum Pictum. A very choice variety, pure white with a band through each petal, one half of which is red and the other half yellow; entire flower spotted crimson. 30c. ea., \$3.00 doz.

L. Auratum Witteii. A magnificent Lily, immense flowers, widely expanded; color, purest white with a wide yellow stripe through the center of each petal; often grows 6 feet high; very free-blooming. 75c. ea., \$7.50 doz.

L. Auratum Platyphyllum. The flowers are similar in color to Auratum, heavily spotted but are much larger, the petals more overlapping and of greater substance. The leaves are very long and broad, and the stems attain a height varying from 7 to 10 feet. 30c. ea., \$3.00 doz.

L. Batemaniae. A Japanese Lily, growing from 3 to 4 feet high and producing bright apricot-tinted flowers; blooms in July. 15c. ea., \$1.75 doz.

L. Brownii. One of the most beautiful Lilies, immense trumpet-shaped flowers 10 inches in length; interior pure white with chocolate-colored anthers; exterior brownish purple; easily grown in any light sandy loam, also in pots. 25c. ea., \$2.50 doz.

L. Candidum (*Annunciation, Madonna or St. Joseph Lily*). The well-known garden Lily, snow-white fragrant blossoms; it is also one of the best forcing Lilies for florists; 3 to 4 feet; blooms in the open ground about June. 12c. ea., \$1.25 doz.

L. Elegans Alice Wilson. One of the most beautiful and distinct Lilies; the flowers, of a bright lemon-yellow, are very large, borne erect and in clusters; very hardy, succeeds almost anywhere; height, 1½ feet; very rare. 60c. ea.; \$6.00 doz.

L. Elegans Atrosanguineum. Very hardy and succeeds anywhere. Flowers are erect and borne in clusters; blood-red, shading to scarlet. 75c. ea., \$7.50 doz.

L. Elegans Incomparable. The richest red known in Lilies; a deep ox-blood crimson, slightly spotted with black; very free and easily grown. 15c. ea., \$1.50 doz.

L. Elegans Orange. Rich bright orange. 25c. ea., \$2.50 doz.

L. Elegans Semi Pleno. A distinct and very pretty variety. Flowers are erect; the flowers are half double and rich scarlet, excepting underneath the petals, which are of soft apricot-yellow. 75c. ea., \$7.50 doz.

L. Hansonii (*The True Japanese Yellow Martagon*). This is one of the best of the Martagon group, unsurpassed in vigor of growth and beauty by any other Lily. The flowers are large, of a bright yellow, tinged orange and spotted maroon, with thick wax-like petals. Very robust and free. 75c. ea., \$7.50 doz.

L. Kramerii. Distinct from all other Lilies, large flowers of a soft, beautiful rose color. 20c. ea., \$2.00 doz.

LILIES

(Continued)



L. Lancifolium or Speciosum. These varieties are perhaps the most popular lilies grown, being easy of cultivation, and produce large flowers of delicate beauty and strong stems: height, from 2 to 4 feet; blooms in August. The varieties are:

L. Lancifolium Album. White, 8 to 9 in. bulbs, 20c. ea., \$2.00 doz.

L. Lancifolium Roseum. White, shaded and spotted with rose, 8 to 9 in. bulbs, 15c. ea., \$1.50 doz.

L. Lancifolium Rubrum. White, shaded with deep rose and spotted red, 8 to 9 in. bulbs, 15c. ea., \$1.50 doz.

L. Lancifolium Melpomene. Rich blood-crimson, heavily spotted, 8 to 9 in. bulbs, 20c. ea., \$2.00 doz.

L. Leichtlini. A free-flowering variety, producing a number of blooms, of a light-orange color with bright red spots. 25c. ea., \$2.50 doz.

L. Longiflorum. Pure white trumpet-shaped flowers, 5 to 7 in. in circumference, 10c. ea., 75c. doz.; 7 to 9 in. in circumference, 15c. ea., \$1.50 doz.; 9 to 11 in. in circumference, 30c. ea., \$3.00 doz.

L. Rubellum. A novelty in lilies, easily forced under glass as well as being perfectly hardy makes it one of the most desirable varieties known. It bears medium-sized drooping flowers of a soft, beautiful rose color and blooms very freely. 40c. ea., \$4.00 doz.

L. Tigrinum (Tiger Lily). Orange-salmon. 10c. ea., \$1.00 doz.

L. Tigrinum fl. pl. (Double Tiger Lily). 15c. ea., \$1.50 doz.

LILY OF THE VALLEY

Clumps for outside planting. These clumps planted in the early spring will flower the same season. Are perfectly hardy and will last for ever when once planted. Each clump will produce 25 to 30 sprays of flowers.
50c. each, \$8.00 per doz.

For \$1.00 we will send postpaid following collection:

1 Auratum	7	1 Double Tiger
1 Roseum	Lily Bulbs	1 Single "
1 Album	in all	1 Krameri
1 Longiflorum		

For \$2.00 we will send express paid:

2 Auratum	17	3 Double Tiger
3 Roseum	Lily Bulbs	3 Single "
2 Album	in all	2 Krameri
2 Longiflorum		

For \$5.00 we will send express paid (47 Lily Bulbs in all):

6 Auratum	} Lily Bulbs	6 Krameri	} Lily Bulbs
6 Roseum		1 Auratum Pictum	
6 Album		1 Auratum Witteii	
6 Longiflorum		1 Batemaniae	
6 Double Tiger		2 Brownii	
6 Single "			

COLD STORAGE

LARGE-FLOWERING "RUSSIAN" LILY OF THE VALLEY

All lovers of Lily of the Valley should not fail to give our "RUSSIAN" Valley a trial. Introduced a few years ago, it has now become famous, being forced very extensively by a large number of celebrated Lily of the Valley growers. The Russian Valley produces strong spikes of flowers, about 15 inches in height, bearing from 12 to 20 extra large pure white bells, which are delightfully fragrant. We make a specialty of Lily of the Valley, and are prepared at all times to supply from our Cold Storage Warehouse in original cases of



250 S & W FAMOUS RUSSIAN VALLEY Co for \$6.00	500 S & W FAMOUS RUSSIAN VALLEY Co for \$11.00	1000 S & W FAMOUS RUSSIAN VALLEY Co for \$21.00	2500 S & W FAMOUS RUSSIAN VALLEY Co for \$48.00
--	---	--	--

Best Hardy GARDEN ROSES

These are specially grown for us by one of the leading rosarians of England, where roses develop firm wood and fibrous roots. They are much better adapted to our severe and changeable climate than the soft-wooded plants grown on the meadows of Holland, so generally sold here, and which so frequently cause disappointment.

Roses should be planted with the diverging roots at least nine inches below the surface of the ground, the soil made firm about them and liberally watered.

Our collection comprises the most select sorts of all colors and of the finest forms.

HYBRID PERPETUALS

This class of Roses are perfectly hardy, and bloom during June, with an occasional bloom in the autumn, and do not necessarily require protection in winter.

	Each	Doz.	100
Anna de Diesbach. Lively carmine.....	\$0.30	\$3.00	\$20.00
Alfred Colomb. Bright red, very large, full and globular; free blooming and fragrant; a grand rose.....	.30	3.00	20.00
Baroness Rothschild. Very beautiful pale rose; large and superb form.....	.30	3.00	20.00
Frau Karl Druschki. Snow white; petals shell-shaped; very large, full, perfectly formed; opening well; a superb rose.....	.50	5.00	35.00
Fisher Holmes. Deep crimson scarlet, full and perfect form.....	\$0.30	\$3.00	\$20.00
General Jacqueminot. Brilliant crimson scarlet; large and full; very fragrant; an excellent variety for all purposes.....	.30	3.00	20.00
Mabel Morrison. Pure white, not much substance.....	.30	3.00	20.00
Margaret Dickson. White, pale flesh center, petals very large, shell-shaped, and of immense substance; magnificent form; growth very vigorous; a very fine variety.....	.40	4.00	30.00
Marshall P. Wilder. Cherry rose and carmine; a good rose for garden.....	.35	3.50	25.00
Magna Charta. Bright rose, very large and full; fine early in season.....	.35	3.50	25.00
Mrs. John Laing. Soft pink, very large and fine form; a good grower and abundant bloomer; a variety of special merit.....	.35	3.50	25.00
Mad. Gabriel Luizet. Light silvery pink; very free bloomer; a grand flower; and quite distinct; best in early season.....	.30	3.00	20.00
Paul Neyron. Deep rose, flowers of enormous size, with fine foliage and growth.....	.35	3.50	25.00
Prince Camille de Rohan. Deep velvety crimson, large, full, and fine form; very beautiful.....	.35	3.50	25.00
Ulrich Brunner. Cherry crimson, of large size; fine form; a good garden or exhibition rose.....	.40	4.00	30.00

Collection 16 Roses, one each of the above, for \$5.00 express paid.

Collection 12 Roses, our selection, for \$3.00, express paid.

BEDDING ROSES

	Each	Doz.
Hermosa. Bright rose.....	\$0.35	\$3.50
Baby Rambler. The best bedding rose; a continuous and free bloomer; very hardy, and should be grown in every garden; small plants.....	.25	2.50
Large 2-year-old plants.....	.50	5.00



Rose Mrs. J. Laing.

STANDARD or TREE ROSES

Our standard Roses are extra strong, budded on selected heavy canes, and have always given excellent satisfaction wherever sold. Standard Roses should always be protected with straw or some other material, to protect them during the winter; staking is also necessary to keep them straight.

	Each	Doz.
Baroness Rothschild. Pale rose.....	\$0.75	\$8.00
Caroline Testout. Satin rose.....	1.00	10.00
General Jacqueminot. Brilliant crimson.....	.75	8.00
Gabriel Luizet. Silvery pink.....	.90	9.00
Magna Charta. Bright pink.....	.90	9.00
Mrs. John Laing. Soft pink.....	.75	8.00
Paul Neyron. Deep rose.....	1.00	10.00
Ulrich Brunner. Cherry crimson.....	.90	9.00
Victor Verdier. Bright rose, carmine center..	1.00	10.00
Margaret Dickson. White, flesh center.....	1.00	10.00
Gloire de Dijon. Buff, orange center.....	.90	9.00
Crimson Rambler. Standard form.....	.75	8.00
Baby Rambler. Standard form.....	3.00	30.00
Frau Karl Druschki. Pure white.....	2.00	20.00
Kaiserin Augusta Victoria. Primrose white.....	1.00	10.00
Fisher Holmes. Deep crimson scarlet.....	.90	9.00

Collection 1 each 16 varieties Standard or Tree Roses for \$16.00 express paid.

MOSS ROSES

	Each	Doz.
Blanche Moreau. Pure white, perfect form, well mossed; the finest white Moss Rose.....	\$0.40	\$4.00
Crested Moss. Pale rose, buds beautifully crested.....	.35	3.50
Glory of the Mosses. Carmine Rose.....	.25	2.50
Little Gem. Crimson flowers, beautifully mossed.....	.40	3.50

COLLECTIONS THE 4 RAMBLERS

BY EXPRESS PREPAID

4 PLANTS	EACH	VAR.	SMALL SIZE	60¢
4	"	"	MEDIUM "	1.00
4	"	"	LARGE "	1.50
4	"	"	EXTRA LARGE	2.50



BEST EVERBLOOMING ROSES

This section of Roses are continuous bloomers the entire summer, but are not entirely hardy in this section, and should be protected during the winter months with a covering of straw, or any material handy. To obtain the best results, in addition to the covering of the tops, protect around the roots with 5 to 6 inches of well-rotted manure. This will give added strength to the plants, and additional bloom the following summer.

	Each	Doz.	100		Each	Doz.	100
American Beauty. Bright light crimson.....	\$0.40	\$4.00	\$30.00	Killarney. Flesh shaded white, suffused pale pink; the blooms are large, the buds very long and pointed; petals very large and of great substance; a lovely and distinct rose of great merit.....	.50	5.00	35.00
Belle Lyonnaise. Deep yellow changing to salmon.....	.40	4.00	30.00	Maman Cochet. Pink, carmine, mingled with salmon yellow, large and full; superb.....	.40	4.00	30.00
Caroline Testout. Bright satin rose, with brighter center; large, full and globular; very free and sweet; a valuable rose.....	.40	4.00	30.00	Perle des Jardines. Deep straw yellow, sometimes deep canary yellow, large and double; this rose is most beautiful.....	.50	5.00	35.00
Captain Christy. Delicate fleshy white, the center richer in color, very large and full; most useful early and late....	.35	3.50	25 00	Soleil d'Or. A cross between Persian yellow and a hybrid perpetual; color varying from orange yellow to reddish gold, shaded with nasturtium red; conical shaped buds opening to large, full, flat-shaped flowers; perfectly hardy and free blooming....	.50	5.00	35.00
Etoile de France. Color velvety crimson, center vivid cerise red; blooms very large, full and magnificent; cupped form; very beautiful....	1.00	10.00	75.00	Wm. Allen Richardson. Very deep orange yellow; small, but very showy and distinct.....	.40	4.00	30.00
Gloire de Dijon. Buff, orange center, very large and double, the first to flower, and keeps on till the very last; the hardiest of any of the tea roses, and very sweetly scented; good in any situation.....	.40	4.00	30.00	White Maman Cochet. A sport from Maman Cochet, which it resembles in every particular except color, which is pure white, occasionally tinged with blush.....	.40	4.00	30.00
Gruss an Teplitz. Brightest scarlet crimson; very free flowering, and one of the best garden roses.....	.40	4.00	30.00	Collection, 1 each of the above 15 varieties of Everblooming Roses, for \$6.00 express paid.			
Kaiserin Augusta Victoria. Beautiful primrose white; one of the freest bloomers, fine shaped buds, and a good full rose when fully open.....	.40	4.00	30.00				
La France. Beautiful bright pink rose, large, full and fine form; free blooming, and one of the best; early and late; very highly perfumed.....	.30	3.00	20 00				

Hardy Climbing Roses

CRIMSON RAMBLER. Magnificent Pyramidal Clusters of Rich Crimson Roses.

Every Cluster a Perfect Bouquet of Roses in Itself. Grows Ten to Twenty Feet in a Year.

The flowers are produced in trusses, pyramidal in shape, good specimens measuring nine inches from base to tip, and seven inches across, fairly covering the plant from the ground to the top, so that it is one mass of glowing crimson. The color is superb, and remains strong and vivid to the end. The profusion of bloom is marvelous.

WHITE RAMBLER

Related to the Crimson Rambler, closely resembling it in vine and foliage. The flowers remain on the plant a long time—from three to five weeks—and keep a long time when cut. The plant is perfectly hardy, equal in this respect to the Crimson Rambler.

PINK RAMBLER

This beautiful variety is from the same source as the White Rambler, fully the equal of it in hardiness, vigor, size and profusion of flowers and blooming qualities.

YELLOW RAMBLER

This promises to supply that "long-felt want," a double yellow hardy climbing rose, a thing which has been sought after the world over. It is perfectly double, very fragrant, entirely hardy.

DOROTHY PERKINS

The handsomest of all the cluster climbing roses; flowers rose pink, clusters very large and abundant.

Price, any of the above varieties:

	Each	Doz.
Small plants.....	\$0.15	\$1.50
Medium plants.....	.25	2.50
Large plants.....	.50	5.00



Climbing Rose, Crimson Rambler.

TREE PAEONIES



TREE PAEONIES

are a beautiful species of the well-known plants of that name, bearing a profusion of massive flowers, in the most brilliant and deepest red as well as in rose, and pure and tinted white, rendering them particularly effective for lawn decoration or for mingling among shrubs in borders. Tree pæonies are perfectly hardy, but their flower buds are quickly developed in mild weather, and are apt to be nipped by late frosts; they should therefore be mulched and protected during the winter, and be planted in sheltered places. The plants obtain a height of about four feet, and begin to bloom about the latter part of May.

Pæony Moutan, Tree Pæony

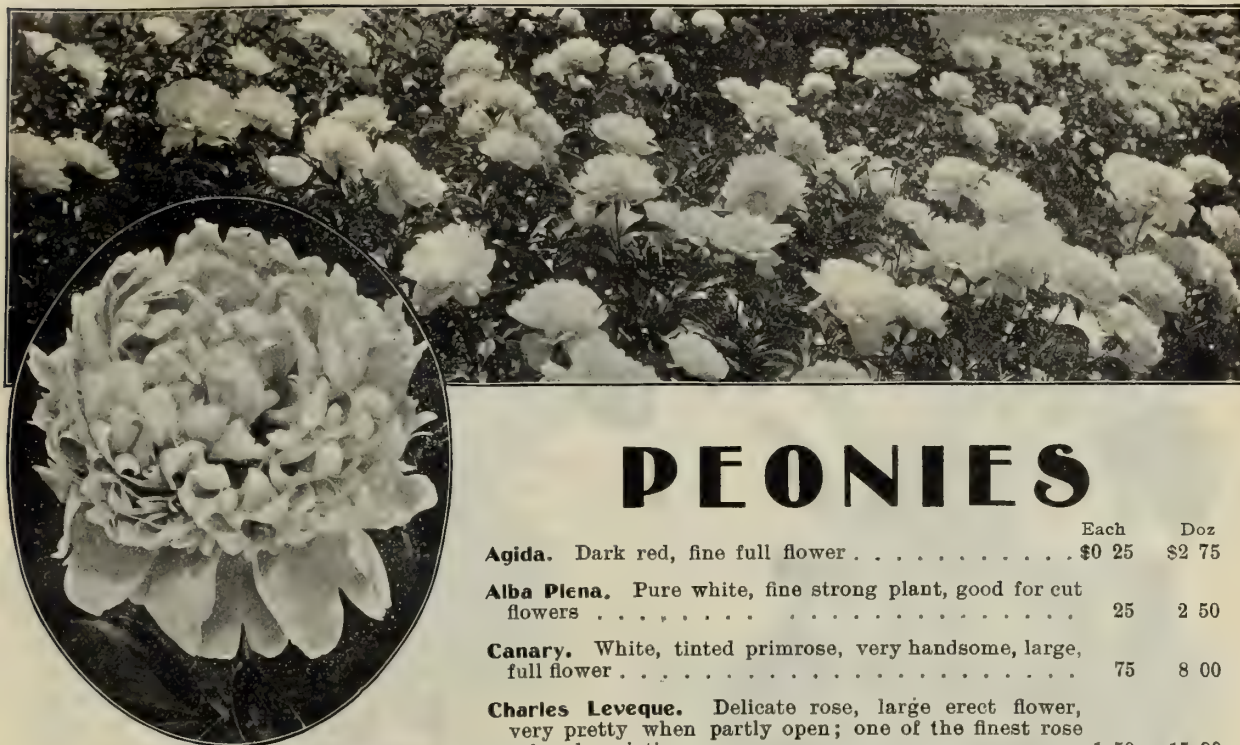
The plants we offer are all healthy, strong, well-budded stock, and will bloom the first season.

- | | | |
|--|--|---|
| No. 1. Deep rose, very large flower, large petals. | No. 40. Bright rose, very compact round flowers having small petals grown very closely, making an almost round flower; very handsome. | No. 18. Large flower rose center changing to light pink on outer edge. |
| No. 2. White, tinted with yellow. | No. 5. Very large white, flamed delicate rose. | No. 20. Brilliant crimson pointed lacinated petals. |
| No. 3. Soft pink, almost flesh color, shading to white. | No. 6. Bright fiery scarlet, the most brilliant of all Pæonies. | No. 27. Maroon purple edge, bottom petals almost black. |
| No. 16. Rich dark red and variegated foliage; very unique. | No. 4. Purple, Violet twisted and fringed petals with yellow center. | No. 32. Red shading to rose on outer edge. |
| No. 19. Pure white; very large flowers, and absolutely pure white in color. | No. 8. Lilac with white edge, very fine. | No. 33. Violet pink, yellow center. |
| No. 29. Pure deep rose, self color, large petals and large flower. | No. 13. Scarlet changing to light red on outer edge. | No. 37. Red and rose, large compact flower. |
| No. 36. Snow white, flamed in center with bright rose. | | No. 47. Large red flower, one of the best varieties. |
- Price of any of above named sorts, by express only, each \$1.25, per doz. \$12.00, or collection of above 20 named varieties for \$18.00.

HERBACEOUS OR BUSH PAEONIES

Our stock of Herbaceous Pæonies are imported direct from our grower in Japan and our collection of these, as well as the Tree Pæonies, are the finest and best varieties in the world. While the price that we ask for them may seem rather high, remember the roots that we offer are large undivided field grown, and about four times the size of those generally supplied by other dealers.

- | | | |
|---|---|---|
| No. 1. Pink tipped white variegated center. | No. 6. Blush with rose at base of petals, yellow center. | No. 16. Handsome pure white. |
| No. 2. Blush petals, large full chrysanthemum center. | No. 11. Purplish rose with variegated center, very handsome. | No. 23. Red shading to wine color, chrysanthemum shaped center of gold. |
| No. 3. Pink tipped white, white shaded center. | No. 13. Rose and white with dark rose at base of petals, full orange center. | No. 26. Twisted and curved petals of rose, cardinal white variegated center. |
| No. 5. Rose shaded white, crimson tipped with orange center. | No. 14. Violet red with full variegated yellow and maroon center. | No. 27. Solid dark scarlet red, very handsome. |
- Price, each 60c., collection of 12 named varieties as above \$6.00.



PEONIES

	Each	Doz.		Each	Doz.	
Agida. Dark red, fine full flower	\$0 25	\$2 75	Mme. Calot. Pinkish white, tinted with flesh color	25	2 50	
Alba Plena. Pure white, fine strong plant, good for cut flowers	25	2 50	President Roosevelt. Light soft rose, long strong stems; very large solid bud. A most robust plant; dark green foliage, very free from rust	2 50	25 00	
Canary. White, tinted primrose, very handsome, large, full flower	75	8 00	Pulcherriana. Rose violet, center rose and salmon; a good variety for collection	20	2 00	
Charles Leveque. Delicate rose, large erect flower, very pretty when partly open; one of the finest rose colored varieties	1 50	15 00	Queen Victoria. Large, full, compact bloom, with fine broad guard petals; opens flesh white, center petals tipped with red blotches. One of the best cut flower varieties, as it is an exceptional shipper and keeper	35	3 50	
	Each	Doz.	Reevesii Plena. Rosy flesh, red blotch on center petals	25	2 50	
Cytheria. Creamy white, tinted rose; an exceptionally fine cut flower variety, very strong stem and a good grower	\$0 50	\$5 00	Richardson's Rubra Superba. Brilliant deep crimson; the latest of all Peonies to bloom; very fragrant; the best keeper	50	5 00	
Duke of Wellington. White, yellowish center, perfect flower; very fragrant	75	8 00		Each	Doz.	100
Festiva Maxima. Early, very large and full, shell-shaped flower, often 6 to 8 inches in diameter, stems 3 to 3½ feet; color snow-white, shading to delicate creamy white at base of petals, with an occasional clear purple spot on edges of center petals; very fragrant. The finest early white	75	8 00	Pink Shades Mixed	\$0 20	\$2 00	\$15 00
Fragrans. Red, good bloomer, long stems, a very good variety	35	3 50	Red " "	15	1 50	12 00
Hamlet. Red, good flower	25	2 50	White " "	25	2 50	18 00
Humei Carnea. Clear cherry pink; strong grower; large, very full, highly cinna- mon-scented flower; very late; graceful habit. An excellent variety for cut flowers	50	5 00	Trial Grounds Mixture. This mixture is splendid where a first- class lot of varieties are wanted for borders or massing	15	1 50	12 00
Lady Leonora Bramwell. Compact, vigor- ous habit; color delicate silvery pink, shaded lilac and chamois; three nan- keen petals tipped with crimson at the center; good keeper and shipper	75	7 50				
Mary Lemoine. Very large, ivory white bloom shaded pink and chamois; strong stems of medium height; late bloomer; excellent variety; scarce	1 50	15 00				



—NEW—

LARGE-FLOWERING

JAPAN IRIS

Iris Kaempferi
Grandiflora

THE magnificence of these new Irises surpasses description. The flowers are of enormous size, averaging from 6 to 8 inches across, and of indescribable and charming hues and colors, varying like watered silk in the sunlight, the prevailing colors being white, crimson, rose, lilac, lavender, violet and blue, each flower usually representing several shades, while a golden yellow blotch surrounded by a halo of blue or violet at the base of the petals intensifies the wealth of coloring. The Japan Iris is perfectly hardy, and flowers in greatest profusion in June and July, and attains greatest perfection if grown in moist soil, or if plentifully supplied with water while growing and flowering.

The following varieties have been selected from a large collection, grown by a famous Japanese horticulturist, and recognized as the finest assortment of Japanese Iris known. The different varieties having Japanese names, we have deemed it advisable to distinguish the various sorts by numbers, as follows:

1. White, yellow center, veined.
2. Dark purple edge, running to a blue and yellow center, under part of flower lavender.
3. Very, very light blue, white veined, yellow center, inner petals of flower tinged with dark blue.
6. Maroon, yellow center, inner petals white with a purple top.
7. Yellow center, dark blue shading into light blue and white, rather streaked, inner petals purple tipped.
8. White, dark purple veins, yellow center, dark purple shading to white inner petals.
9. Dark red, black and white veins, yellow center, white and purple inner petals.
11. White, well spotted dark pink shading into pink at the edges, and yellow center with a little purple border.
12. Dark purple, bright yellow center, dark blue inner petals.
19. Yellow center, blue, black veins, inner petals red with red veins and blue spotted with white.
23. Yellow center, dark purple varying into a lighter shade towards the edges, well veined, blue inner petals.
26. Yellow center, shading into light purple, then a light red, then a darker red, well spotted with a very dark red.
32. Very dark blue, yellow center, with purple inner petals.
33. Yellow center, white and blue stripes, shading into a light violet, darker towards the edges with a much heavier shade of violet directly on the edge, inner petals white tipped with dark violet.
34. Yellow center, with rather a dark purple shading into a light red and a dark red near the edges, well veined, inner petals white with purple edges.
35. Yellow center, white flower with a very dark purple edge or border.
36. Yellow center, very dark red flower, heavily veined, inner petals white and dark purple.
37. Yellow center, blue flower shading into dark purple near the edge and border, white veining, inner petals very dark purple.
40. Yellow center, light and dark blue, well spotted with very dark blue, inner petals white and dark purple.
41. Yellow center, dark purple, shading into light purple and darker purple again at the edges, well veined, inner petals of a light purple.
42. Orange center, rather a gray white, shading into pure white at the edges, white veins.
43. Yellow center, very dark red, shading into a lighter red with rather a white and pink tipping; white spots appear occasionally on this flower, inner petals of light and dark purple.
46. Yellow center, entire flower is of dark purple, except the middle of each petal, which is rather a light blue, shading into a dark purple.
50. Orange center, red with a little darker shade on the edge, well veined, center petals white, purple border and a light red.

Price of any of the above named varieties, 25c. each, \$2.50 per doz.; or a complete collection, one each of the above 24 varieties, \$4.50. Large undivided roots.

CLEMATIS

Large-Flowering Varieties

The Clematis we offer this season are exceptionally fine strong plants, two years old; we have reduced the number of varieties to such sorts as from experience we know to succeed best in our climate. Many failures in the growing of Clematis are the result of too shallow planting; the crown of the roots should be set at least 3 inches below the surface of the soil. For covering walls, trellises and verandas they have scarcely an equal.



Clematis, M. Koster.

SMALL-FLOWERING VARIETY

Paniculata (*Japanese Virgin's Bower*). This handsome hardy climber is one of the choicest and most satisfactory climbing flowering plants we know. The plant is of strong, rapid growth, with small, dense, cheerful green foliage, giving it a grace and elegance possessed by no other hardy climber, and even did it not flower at all it would be one of our most desirable vines. The flowers appear in the greatest profusion during August, and continue until late in the fall, are of a white color and most deliciously fragrant. The plant succeeds in almost any position; not only is it well adapted to run up all kinds of supports, but is just as useful for planting among rockwork, sloping banks, covering graves, or, in fact, any position where a graceful vine is desired. Strong two-year-old plants, each 25c., doz. \$2.50; strong one-year-old plants, each 15c., doz., \$1.50.

Hollyhocks, Superb Double. Few hardy plants combine as many good qualities as the hollyhock. The hollyhocks require a rich, deep soil, well drained, and will repay in quantity and elegance of bloom any extra care. We offer well-established, thrifty young plants which will flower this season in white, yellow, pink, bright red, maroon and sulphur, at 20c. each, per doz. \$2.00; strong pot-grown plants, per doz. \$2.50, per 100 \$20.00.

Jackmanni. The best-known and most valued variety of this popular family. A perfect mass of bloom when in full flower. Color, dark, rich, royal purple. 50c. each.

Duchess of Edinburgh. This variety is perfectly double, like a rosette. It is sweetly fragrant, and equally hardy and vigorous with the others. 50c. each.

Bangholm Belle. Large and very fine pure white. 40c. each.

Fairy Queen. White, with light lilac bars, 50c. each.

Gipsy Queen. Rich, dark purple. 40c. each.

Henryii. Pure white, large and remarkably handsome. 40c. each.

Madame Baron Veillard. Light lilac; a peculiar but fascinating and distinct shade. 50c. each.

Sieboldii. Lavender blue, large, strong, vigorous grower. 40c. each.

M. Koster. (See cut.) A very free-flowering variety, bright rosy carmine. Each \$1.00, doz. \$10.00.

Collection, 1 plant each of above 9 varieties, for \$4.00, delivered free anywhere in the United States.



Clematis Paniculata.

*German Iris.*

- Bouquet Fleuri.** White, carmine eye.
Caran d'Ache. Rosy carmine.
Chas. Darwin. Salmon pink, crimson center.
Coquelicot. Orange scarlet, crimson center.
E. Starke. Very large; dark red shading to purple.
Epopée. Violet; bright fiery center.
Fernand Cortez. Deep crimson, dark center.
Gen. Chanzy. Bright pink, tinted salmon.
Hector. Fine pink.
Independence. Large, pure white.
J. H. Slocum. Rose pink with crimson eye.
Jules Jouy. Lilac rose, white center.
L'Evenement. Delicate pink, tinted with salmon; showy.
La Cygne. Large, pure white.
Lord Raleigh. Dark violet, purple center.
Mme. P. Langier. Bright red, vermilion center.
Premier Ministre. Rosy white, deep rose center.
Queen. Pure white.
Richard Wallace. White, violet center.
R. P. Struthers. Pinkish salmon, crimson eye.
White Swan. Large, pure white.
Wm. Ramsey. Purplish magenta, darker center.

Price, Strong Field-grown Plants, 15c. each, \$1.50 per doz., \$10.00 per 100. Collection, 1 plant each the above 25 varieties for \$3.00.

GERMAN IRIS

The German Iris is one of the most desirable early spring flowering plants. The flowers are of large size and exquisite colors. It delights in low wet ground and does equally well in the border. No garden is complete without a collection of these beautiful flowers.

Agnes. White, edged pale lilac.

Asiatica. Standards rich blue, falls violet purple.

Aurea. Golden yellow.

Darius. Standards light yellow, falls purple, veined yellow and white.

Empress Victoria. Standards pale blue, falls purple.

Gloire de Hillegom. Beautiful porcelain blue.

Innocenza. Large, pure white.

Macrantha. Blue and violet, large flower.

Mad. Chereau. Standards white with sky-blue feathered edges falls white, slightly frilled blue.

Maori King. Standards deep golden yellow, falls blackish chestnut bordered gold; one of the very best varieties.

Mrs. Horace Darwin. White, slightly veined violet at base.

Queen of May. Beautiful rosy lilac.

Price, each 15c., per doz. \$1.50, per 100 \$8.00.

HARDY PHLOX

The hardy Phloxes are without doubt the most important of all hardy perennials, and are now to be found in nearly every garden. They succeed in almost any kind of soil or position, and flower from early summer until late in the fall; they also improve from year to year, and contain a range of brilliant colors not found in any other hardy plant. We have a very fine collection of them.

Alceste. Bright pink, deep red center.

Amphitryon. Large; lavender, beautifully streaked with white.

Aurora Borealis. Orange with purple center.

*Hardy Phlox.*

HARDY SHRUBS

AZALEA

Mollis. We have a very fine stock, in	Each.	Doz.
ten distinct named varieties, 10 buds	\$0 50	\$5 00
20 buds	75	7 50
30 buds	1 00	10 00
Pontica grows 3 to 4 feet high, yellow,		
orange and red flowers, very fine,		
15 buds, 15 inches high.....	50	5 00
20 buds, 18 inches high.....	75	7 50
25 buds, 24 inches high.....	1 00	10 00

CALYCANTHUS FLORIDUS (Strawberry Shrub)

An interesting shrub, having a rare		
and peculiar fragrance of wood and		
flowers; its blooms are abundant and		
of a peculiar chocolate color. 2 to 3		
feet	40	4 00

CARYOPTERIS (Blue Spirea)

A pretty autumn blooming plant;		
produces clusters of fragrant blue		
flowers	35	3 50

CYDONIA (Japan Quince)

C. Maulei. Beautiful orange colored		
flowers, a distinct shade; fine.....	50	5 00
C. Jap. atrosanguinea. A handsome		
variety with semi-double scarlet		
flowers	50	5 00

CORNUS (Dogwood)

C. sibirica. A rare and remarkable va-		
riety with bright, red bark in winter	25	2 50
C. sibirica. Variegated foliage, a very		
pretty variety	35	3 50
C. Spathel. Foliage pale yellow and		
green	50	5 00

DAPHNE

D. Mezereum. White, small erect		
branches; clusters of pink flowers in		
March	25	2 50
D. Mezereum. Red, very pretty red		
flowers	25	2 50

DEUTZIA

D. gracilis. Of a dwarf, bushy habit;	Each.	Doz.
the racemes of white flowers com-		
pletely cover the plant, making it		
one of the most attractive shrubs		
of the season, blossoming in June—	\$0 25	\$2 50
D. Lemoinei. The branches are en-		
tirely covered with erect panicles of		
large, snow-white flowers, quite dis-		
tinct from all other Deutzias; one of		
the best dwarf varieties; fine for		
forcing	25	2 50
D. Pride of Rochester. It excels all		
the older sorts, in size of flower,		
length of panicle, profuseness of		
bloom and vigorous habit.....	25	2 50
D. Waterii. A new free flowering,		
double white variety.....	25	2 50

EXOCHORDA (Pearl Bush)

E. grandiflora. A fine shrub pro-		
ducing large white flowers in May..	25	2 50

FORSYTHIA

F. viridissima. Bright yellow flowers		
which appear early in the Spring...	25	2 50
F. suspensa. Yellow flowers, drooping		
habit	25	2 50

FLOWERING CURRANTS

The flowering currants are gay,		
beautiful shrubs in early Spring, and		
of the easiest culture. White flower-		
ing, red flowering, yellow flowering..	25	2 50

GENISTA

G. sagittalis. A fine dwarf perennial;		
flowers pea-shaped, yellow, in a ter-		
минаl spike	35	3 50

HYDRANGEA

H. paniculata grandiflora. One of the		
most popular shrubs in cultivation,		
blooming at a time when few other		
shrubs are in flower; bearing im-		
mense panicles of pure		
white flowers, which ap-		
pear in August, turning		
to a delicate pink and		
remaining till late in the		
autumn. Spikes of flow-		
ers have been known to		
measure 12 inches long		
by 22 inches in circum-		
ference.		
First size, 2 to 3 feet.	20	2 00
Extra size, 3 feet, 4 to		
6 branches	30	3 00
Standards about 5 feet		
high, extra fine....	50	5 00
H. Hortensia (Garden Hy-		
drangea). A well-		
known variety, used for		
porch decoration and		
Easter forcing. The		
flower heads are large,		
showy and of a pretty		
pink tint which may be		
changed to blue by the		
use of iron filings in		
the soil.....	50	5 00
H. Otaksa. Of vigorous		
growth, especially in		
rich moist soil, heavy,		
dark green foliage; large		
heads of beautiful rose-		
pink flowers, blooming		
freely when quite young.	25	2 50
H. Thomas Hogg. One of		
the best; producing flow-		
er heads of snow-white		
from July to Septem-		
ber	35	3 50



Hydrangea Paniculata Grandiflora.

HIBISCUS (Rose of Sharon)

This has become one of the most popular flowering shrubs, coming in flower, as it does, in July and August, when few shrubs are in bloom. The entire plant is covered with beautiful double flowers, which, at a distance, look like roses. They make a very pretty flowering hedge. Three years old in ten separate varieties, single and double, in white, blush, shaded, blue, purple, red, violet, pink, shaded, yellow

HONEYSUCKLE (Upright)

The following varieties are of erect shrubby habit, valuable for their showy fruit. The climbing sorts will be found under head of Hardy Vines and Creepers:

	Each.	Doz.
Morrowii. A very fine variety from Japan, valuable for its handsome red fruit	\$0 25	\$2 50
Tartarica Rose. Pink flowers which contrast beautifully with the foliage	25	2 50
Tartarica alba. Forms a high bush, with creamy white fragrant flowers.	35	3 50
Tartarica grandiflora. A beautiful shrub, producing large red and white flowers	30	3 00

HYPERICUM

H. Moserianum. The showiest of all the varieties and a novelty of decided merit. Of dwarf, half-pendulous habit; fine for massing; elegant, glossy foliage; the largest blossoms of the whole family, having orange-yellow petals and a beautiful red mass of stamens in the center, produced freely from midsummer until hard frost	25	2 50
---	----	------

KERRIA

K. japonica. A slender, green branched shrub, covered with a profusion of globular yellow flowers from July to October.....	25	2 50
K. variegata. A dwarf variety from Japan, with small, green foliage, edged with white. One of the prettiest and most valuable of dwarf shrubs	25	2 50

*Spiraea.***LILACS**

(Our pot-grown lilacs will produce 10 to 15 flowers the first season).

	Each.	Doz.
L. Chas. X. A strong, rapid growing variety, with large, shining leaves; trusses large reddish-purple. Pot grown, extra fine.....	\$0 75	\$7 50
L. Marie Legraye. Large panicles of white flowers, valuable for forcing. The finest white lilac. Pot grown plants	65	6 50
L. Souv. de L. Späth. Panicles long; individual flowers large, single; dark purplish red; the finest of its color. Pot grown plants.....	75	7 50
L. White, Persian white, de Marley, Vulgaris	25	2 50
L. In ten named varieties, 2 years old, grafted.....	25	2 50
L. Standard or tree-shaped, 7 feet high, best named varieties.....	1 50	15 00

MAHONIA (Ashberry)

M. aquifolia. A native shrub of medium size with large, shining, prickly leaves, similar to those of the famous English Holly, which turn scarlet in the Fall; bright yellow flowers in May, succeeded by bluish berries	25	2 50
M. japonica. A new variety from Japan, with very broad, spiny foliage, of a light green color; yellow flowers in May.....	25	2 50

PRUNUS

P. triloba (Double-Flowered Plum). Native of China. A highly interesting and desirable addition to hardy shrubs; flowers double, of a delicate pink, upward of an inch in diameter, thickly set on the long, slender branches; flowers in May...	50	5 00
---	----	------

SPIRÆA

S. Fortune's Rose. Has large panicles of deep rosy blossoms; grows freely and blooms nearly all summer; fine.	25	2 50
--	----	------

Fortune's Dwarf White Spiræa.

A white-flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub.....	25	2 50
---	----	------

S. Billardi. Rose-colored. Blooms nearly all summer	35	3 50
--	----	------

S. Anthony Waterer. A fine new dwarf Spiræa with dark crimson flowers, darker than Spiræa Bumalda. One of the finest shrubs of recent years...	35	3 50
---	----	------

S. Reevesii (Lance-Leaved Spiræa). A charming shrub with narrow, pointed leaves, and large, round clusters of white flowers that cover the whole plant, and render it exceedingly effective. Blooms in June..	25	2 50
--	----	------

SYRINGA (Mock Orange)

	Each.	Doz.
<i>S. coronarius</i> (Garland Mock Orange). This is the popular well-known variety; very sweet and one of the first to flower.....	\$0 25	\$2 50
<i>S. grandiflorus</i> (Large-Flowered Syringa). Has very showy, large flowers, slightly fragrant; branches somewhat straggling.....	25	2 50
<i>S. foliis aureis</i> (Golden-Leaved Syringa). A very pretty plant of medium size, of golden-yellow foliage. It keeps its color the entire season, and will be found valuable for creating pleasing and striking contrasts with purple-leaved shrubs.....	35	3 00
<i>S. nanus</i> (Dwarf Syringa). Of low habit; makes a dense, compact bush, rarely produces flowers; useful as a dwarf shrub.....	25	2 50
<i>S. Lemoinei erectus</i> (Lemoine's Erect Syringa). A charming variety of upright growth; flowers small, yellowish-white, fragrant, completely covering the plant.....	35	3 50
<i>S. Double Deutzia-flowered</i> . A fine double flowering variety.....	50	5 00

SNOWBERRY

<i>S. racemosus</i> . A well-known shrub, with small pink flowers, and large white berries that hang on the plant through part of the winter.....	35	3 50
---	----	------

SAMBUCUS (Elder)

<i>S. Golden Elder</i> . One of the most showy shrubs grown, on account of its golden foliage. Very desirable for ornamenting lawns; with <i>Prunus Pissardi</i> there is nothing finer.....	25	2 50
<i>S. laciniata</i> . A valuable variety, with elegantly divided leaves; one of the best cut leaved shrubs.....	35	3 50
<i>S. Weeping</i> . A fine drooping variety.....	50	5 00

STAPHYLEA (Bladder-Nut)

<i>S. colchica</i> . One of the finest early flowering shrubs. Flowers white, fragrant, disposed in clusters. Flowers at the same time as the lilacs.....	50	5 00
<i>S. Bumalda</i> . A handsome shrub with large clusters of cream colored flowers.....	50	5 00

VIBURNUM (Snowball)

<i>V. sterilis</i> (Guelder Rose, Snowball Tree). A well-known, favorite shrub, of large size, with globular clusters of pure white, sterile flowers the latter part of May.....	35	3 50
<i>V. plicatum</i> (Japan Snowball). From North China. Of moderate growth; handsome plicated leaves, globular heads of pure white neutral flowers early in June. It surpasses the common variety in several respects. Its habit is better, foliage much handsomer, flowers whiter and more delicate. One of the most valuable flowering shrubs.....	75	7 50
<i>V. tomentosum</i> . The single form of the beautiful Japan Snowball (<i>Viburnum plicatum</i>); flowers pure white, borne along the branches in flat cymes, in the greatest profusion, early in June. Perfectly hardy, vigorous, and free-blooming.....	50	5 00

TAMARIX

These are very beautiful shrubs, with small leaves, somewhat like those of the Juniper, and delicate small flowers in spikes. They are invaluable for planting by the seaside, where scarcely anything else will grow.

	Each.	Doz.
<i>T. africana</i> . Handsome foliage, upright habit; flowers in May.....	\$0 35	\$3 50
<i>T. chinensis</i> . A vigorous, upright grower, with delicate foliage of a lively green color; flowers rose-colored, in September.....	35	3 50
<i>T. Narbonne</i> . Of straggling habit. Foliage glaucous green; flowers in May before the leaves appear.....	35	3 50

WEIGELA

<i>W. nana foliis variegatis</i> (Variegated-Leaved Dwarf Weigela). Of dwarf habit, and possessing clearly defined, silvery variegated leaves; flowers nearly white. It stands the sun well, and is one of the best dwarf variegated-leaved shrubs.....	35	3 50
<i>W. rosea</i> (Rose-Colored Weigela). An elegant shrub, with fine rose-colored flowers, introduced from China by Mr. Fortune, and considered one of the finest plants he has discovered; of erect, compact growth; blossoms in June.....	35	3 50
<i>W. amabilis or splendens</i> . Of robust habit, large foliage and pink flowers; blooms freely in the autumn; distinct and beautiful.....	35	3 50
<i>W. Eva Rathke</i> . A charming new Weigela, flowers brilliant crimson; a beautiful, distinct, clear shade....	35	3 50
<i>W. Mme. Van Houttei</i> . Clear carmine flowers. Showy and handsome....	35	3 50
<i>W. Conquete</i> . Flowers deep pink, the largest of all Weigelas.....	75	7 50
<i>W. Mont Blanc</i> . Flowers very large, pure white, hardy and vigorous....	75	7 50
<i>W. La Perle</i> . Large flowers, creamy white, edged with light rose.....	75	7 50

XANTHOCERAS

<i>X. sorbifolia</i> From Central China. Forms a shrub or small tree, foliage resembling that of the Service Tree or Mountain Ash; flowers five-petaled, white, reddish copper-colored at base, disposed in racemes about eight inches long; flowers expand in April or May with the leaves. It is very floriferous, young plants flowering freely. Requires protection until established.....	75	7 50
--	----	------

YUCCA (Spanish Bayonet)

Has a fine appearance; the stem is 2 feet above the ground, covered with large, bell-shaped flowers on laterals, forming a perfect pyramid; valuable for rockwork.

	Each.	Doz.
<i>Y. filamentosa</i> (Adam's Needle). Thread-leaved, creamy-white; 3 to 4 feet, first size.....	\$0 25	\$2 50
Extra large clump.....	75	7 50
<i>Y. Pendula glauca</i> . Bluish green, drooping foliage.....	25	2 50

HARDY VINES AND CREEPERS



Ampelopsis Veitchii on St. Paul's Church, N. Y.



Standard Bay Tree.

W. sinensis (Chinese Wistaria). A most beautiful climber of rapid growth. When well established it makes an enormous growth, 15 to 20 feet in a season. Has long, pendulous clusters of pale blue flowers in May and June. 35c. each, \$3.50 per doz.
W. White. 35c. each, \$3.50 per doz.

MATRIMONY VINE

A vigorous, hardy climbing plant. It covers a great amount of space in a short time, and every new growth is at once covered with bright purple flowers, which are succeeded by brilliant scarlet berries nearly an inch long. It will grow and thrive in any situation, either shade or bright sunlight. 35c. each, \$3.50 per doz.

JAPANESE KUDZU VINES

These roots are imported from Japan, and will, if planted early, grow 20 to 30 feet the first season. Very hardy and a first class vine for general use. Small size 35c. each, \$3.50 per doz. Large size 50c. each, \$5.00 per doz.

BAY TREES

The Bay Trees we offer are well-shaped, close heads, with strong stems. We will allow a discount of 10 per cent. from these prices, if order is placed with us before March 15.

We ship Trees any time after April 15.

PRICE STANDARDS

Diameter of Crown.	Height of Stem.	Height of Tree.	Price per pair.
30 inches	4 feet	6½ feet	\$20.00
34 "	4 "	7 "	24.00
36 to 40 "	4½ "	7¼ "	32.00
40 to 45 "	4½ "	7½ "	38.00
45 to 48 "	4¾ "	7¾ "	45.00
48 to 50 "	5 "	8 "	50.00

PYRAMIDAL

	Pair.
5 feet high, well-shaped	\$20.00
5½ " " " "	24.00
6 " " " "	30.00

PRICES on larger sizes on application.

AMPELOPSIS VEITCHII

Sometimes Called Boston Ivy and Japan Ivy

This is the most deservedly popular of all climbing plants, being entirely hardy in the most exposed places, attaining a height of 30 feet in two or three years, clinging to stones, brick or woodwork with the greatest tenacity. During the Summer the leaves are a rich shade of green and lap over each other with great regularity, like a coat of mail or like slates on a roof. But it is in the fall that it shows its exquisite beauty. The leaves then change to the brightest tints of scarlet, crimson and orange, so dazzling as to be seen at a great distance. 1st size plants 25c. each, \$2.50 per doz. Extra size plants 35c. each, \$3.50 per doz.

Ampelopsis quinquefolia. Virginia creeper. 25c. each, \$2.50 per doz.

Ampelopsis Veitchii robusta purpurea. Similar to Veitchii, but the leaves show a more intense color in the fall. 50c. each, \$5.00 per doz.

AKEBIA

Quinata. Singular Japanese climbing shrub. with fine foliage, purple flowers and ornamental fruit. 25c. each, \$2.50 per doz.

ARISTOLOCHIA

Sipho. Dutchman's pipe. A native species, of climbing habit and rapid growth, with magnificent light green foliage; 10 to 12 inches in diameter, and curious pipe-shaped, yellowish brown flowers. 50c. each, \$5.00 per doz.

BIGNONIA (Trumpet Creeper)

For covering unsightly places, stumps, rockwork or planting in crevices in ledges, the Bignonias will be found very useful. The flowers are large, attractive and showy, and borne profusely when the plant attains a fair size. 50c. each, \$5.00 per doz.

HONEYSUCKLE

H. aurea-reticulata (Golden Variegated Honeysuckle). Foliage handsomely variegated with gold and green during summer, and adding a charming tint of pink during the winter months. 35c. each, \$3.50 per doz.

H. Halliana (Hall's Japan Honeysuckle). A strong, vigorous, almost evergreen sort, white flowers changing to yellow; very fragrant; flowering from July to Dec.; holds its leaves nearly all winter. 35c. each, \$3.50 per doz.

Small 1-year-old plants, 20c. each, \$2.00 per doz.

Scarlet Trumpet Honeysuckle. This and its varieties are the handsomest in cultivation. It is a strong, rapid grower, and produces scarlet inodorous flowers. 35c. each, \$3.50 per doz.

WISTARIA



Pyramidal.

Selected Fruit Trees

We recommend Northern-grown fruit trees to our customers, as they will be found to give better satisfaction than Southern or Western-grown trees. We furnish excellent clean trees, which, if planted carefully, are almost sure to succeed. Trees, when received, should be planted at once in rich, prepared soil, the roots being carefully separated and spread. If dry weather follows planting, the trees must be watered and mulched. Branches of last season's growth should be well cut back, thus encouraging the vigorous growth of new healthy shoots.

APPLES

SUMMER VARIETIES

Early Harvest. Pale yellow, medium size. August.
Red Astrachan. Crimson; large; fine. August.
Sweet Bough. Pale yellow; very rich. August.

AUTUMN VARIETIES

Fall Pippin. Yellow; delicious. October.
Gravenstein. Striped. September to November.
Maiden's Blush. Yellow, with red cheek. October.

WINTER VARIETIES

Baldwin. Red; large; excellent.
Ben Davis. Yellow and red; large and luscious.
Fameuse, or Snow Apple. Very fine.
King. Crimson; extra large and fine.
Northern Spy. One of the best; large.
Rhode Island Greening. Excellent.
Roxbury Russet. Medium size; splendid. October.
 Price: XX \$1.00 each, XXX \$1.50 each.

CRAB APPLES

Red Siberian. Yellow and scarlet; medium.
Yellow Siberian. Deep yellow; medium; fine.

CHERRIES

Black Tartarian. Purplish black; very rich. June.
Governor Wood. Yellow, with red cheek. June.
Yellow Spanish. Pale yellow, with bright red cheek; large and juicy.
 Price: XX 75c. each, XXX \$1.25 each.

PEACHES

Champion. Freestone; white and red; large and juicy. Excellent new sort. August.
Crawford's Early. Freestone; yellow and red. September.
Crawford's Late. Freestone; very large. October.
Elberta. (New.) Freestone; large, handsome, golden yellow and crimson; very productive. The best early sort for market.
Hale's Early. Freestone; rich and juicy. August.
 Price: XX 50c. each, XXX 75c. each.

PEARS

SUMMER VARIETIES

Bartlett. A splendid summer variety. September.
Clapp's Favorite. Yellow and red; large. August.
 Price: XX \$1.00 each, XXX \$1.50 each.



Apple.

PEARS

AUTUMN VARIETIES

Belle Lucrative. Green; sweet; large. September.
Louis Bonne. Large, long, melting. October.
Seckel. Small; one of the sweetest. September.

WINTER VARIETIES

Beurre d'Anjou. Large; unsurpassed flavor. November.
Duchesse d'Angouleme. Very large; rich.
Lawrence. Medium; delicious quality.
 Price: XX \$1.00 each, XXX \$1.50 each.

PLUMS

Bradshaw. Large; purple; sweet. August.
Coe's Golden Drop. Large; oval; yellow. September.
Damson. Small; for preserving. October.
Imperial Gage. Large; oval; green; very sweet. September.
Jefferson. Yellow and red; fine. August.
Lombard. Violet-red; medium. September.
Pond's Seedling. Violet; large and juicy. September.
Smith's Orleans. Purple; very rich. September.
 Price: XX 75c. each, XXX \$1.25 each.

QUINCES

Apple or Orange. Large; round; yellow.
Champion. Extra large; pyriform.
 Price: XX \$1.00 each, XXX \$1.50 each.

FOREIGN FRUIT TREES

Apples. 10 varieties, dwarf pyramidal form, 6-year-old	\$2.50 each.
Apples. 10 varieties, dwarf pyramidal form, 3-year-old	1.50 each.
Pears. 10 varieties, dwarf pyramidal form, 6-year-old	2.50 each.
Pears. 10 varieties, dwarf pyramidal form, 3-year-old	1.50 each.
Cherries. Large fruiting varieties, fan shaped, 2 tiers, 5-year-old	2.50 each.
Apricots. Large fruiting varieties, fan shaped, 2 tiers, 5-year-old	2.50 each.
Apples. Cordon sets, 3 trees for trellis, 4-year-old	\$5.00 per set.
Pears. Cordon sets, 3 trees for trellis, 4-year-old	5.00 per set.

To prevent San Jose Scale, or check it if your trees are already infested, use "Kill-O-Scale," a dormant spray that should be applied any time during the winter up to April, or before the trees have started growth.

Price per gallon \$1.50, 5 gallons \$1.35 per gallon, 10 gallons \$1.25 per gallon.

FRUIT AND VINE PLANTS

Agawam. Red or maroon. Bunch usually loose, shouldered; berries large; skin thick; flesh pulpy, meaty, juicy, of a rich, peculiar aromatic flavor; ripens about with Concord; a good keeper. Vine a strong, rank grower, hardy and productive; should be pruned, leaving long canes. 35c. each, \$3.50 per doz.

Brighton. Red. Bunch medium to large, long, compact; shouldered; berries medium; skin thin; flesh tender, sweet, with scarcely any pulp; quality best. Vine a vigorous grower, healthy, hardy and productive; one of the best early red Grapes. The flowers have reflexed stamens and do not always fertilize fully unless planted with Concord, Worden, Martha or other varieties which blossom at the same time. Ripens with Delaware. 35c. each, \$3.50 per doz.

Catawba. Dark red when fully ripe. Bunch large, moderately compact, shouldered; berries medium to large; skin thick, tough; flesh somewhat pulpy, with rich, vinous flavor, of best quality for both table and wine. Vine a good grower, hardy, with healthy foliage; very productive and profitable where it succeeds and matures well. Ripens too late for high latitudes. 30c. each, \$3.00 per doz.

Concord. Black. Early. Decidedly the most popular Grape in America, and deservedly so. Bunch large, shouldered, compact; berries large, covered with a rich bloom; skin tender, but sufficiently firm to carry well to distant markets; flesh juicy, sweet, pulpy, tender. Vine a strong grower, very hardy, healthy and productive. For general cultivation the most reliable and profitable variety. 30c. each, \$3.00 per doz.



Grape.

Diamond. White. Bunch large, compact, shouldered; berries large, round; skin thin, but tough; flesh tender, juicy, with but little pulp. Vine is a good grower, with thick, healthy foliage; hardy and productive; of fine quality. Ripens a little before Concord. 25c. each, \$2.50 per doz.

Delaware. Red. Bunch small, compact, sometimes shouldered; berries small; skin thin, but firm; flesh juicy, very sweet and refreshing, of best quality for both table and wine; ripens with Concord or a little before. Vine hardy, productive, a moderate grower; requires rich soil and good culture. Is regarded by many as the best American Grape, all things considered. It should be in every garden and vineyard. 35c. each, \$3.00 per doz.

Eaton. Black. Similar in foliage to Concord. In growth, health, hardness of vine, and in every respect its equal, while in size of bunch and berry it is much larger and more attractive. Leaf large, thick, leathery, covered on the under side with a thick brownish yellow down. Bunch very large, compact, double shouldered; berries very large, many 1 inch in diameter, round, black, covered with a heavy blue bloom, adheres firmly to the stem; skin thin, but tough; pulp tender, separating freely from the seeds and dissolving easily in the mouth; very juicy. Ripens with Concord or a little earlier. 50c. each, \$5.00 per doz.

Green Mountain. White. Bunch medium to large, shouldered; berries medium, greenish white; skin thin, tough; pulp tender, sweet, with few seeds; of excellent quality, free from foxiness; very early. Vine vigorous, healthy, hardy and very productive. A fine Grape, identical in every way with Winchell. 40c. each, \$4.00 per doz.

Moore's Early. Black. Bunch rarely shouldered; not quite as large as Concord; berries larger and very much like it in flavor and quality. Vine a moderate grower; very healthy and hardy; foliage thick, leathery, somewhat resembling Concord, except on the under side, which is covered with a yellowish brown down. Produces a fair, and, with high cultivation, a heavy crop. Ripens so early as to be nearly out of market before Concord is ripe and is, therefore, a very popular early market variety. Succeeds best on rich soil. 35c. each, \$3.50 per doz.

Niagara. White. Bunch very large and handsome, often shouldered; compact; berries large, round; skin thin, tough, does not crack, and carries well; has not much pulp when fully ripe; melting, sweet, with a flavor and aroma peculiarly its own, and agreeable to most tastes; ripens with Concord. 35c. each, \$3.50 per doz.

Pocklington. Pale green, usually with tinge of golden yellow where exposed to the sun; bunch large, very compact; berries very large, covered with a beautiful white bloom; flesh juicy, sweet, with considerable pulp. 30c. each, \$3.00 per doz.

Worden. Black. Bunch large, sometimes shouldered, compact; berries very large, skin thin. Superior to the Concord in the following points: It is better in quality, has a larger berry, a more compact and handsome cluster and ripens five to ten days earlier. 50c. each, \$5.00 per doz.

Collection, 1 each of the above 12 varieties, \$3.00



The New Cardinal Raspberry.

RASPBERRIES

Red Varieties

Cardinal. This wonderful berry is a surprise in the fullness of its merits, great growth, extreme hardiness and wonderful productiveness. It will grow ten feet high and bear accordingly, producing its choice, rich, red, pure-flavored fruit in marvelous abundance. Leading horticulturists who have seen the berry say it is one of the wonders of the century. 10c. each, \$1.00 per doz., \$6.00 per 100.

Cuthbert. Deep, rich crimson, large to very large, very firm. One of the very best market varieties. Season medium to late. A remarkably strong, hardy and productive variety. 75c. per doz., \$6.00 per 100.

Loudon. Dark crimson, large, firm, of good quality. The best mid-season market variety. Very vigorous, hardy, and productive. 75c. per doz., \$6.00 per 100.

Miller. Bright red, large, round, of fine quality. One of the firmest and best shippers for early market. Vigorous, hardy, immensely productive. 60c. per doz., \$4.50 per 100.

BLACK AND PURPLE VARIETIES

Cumberland. Black. Very large; very similar to Gregg in quality and firmness; in hardiness and productiveness it is unexcelled. 75c. per doz., \$6.00 per 100.

Gregg. Black. Has been for many years the leading market berry. Large, firm, of good quality, ripening late. Exceedingly productive. 75c. per doz., \$6.00 per 100.

Munger Raspberry. Is beyond doubt the finest, latest and largest fancy market berry in existence. Many are substituting for this variety; do not allow it on you, as there is no other *Black Cap* half as good. Send to us and get genuine Munger. 75c. per doz., \$6.00 per 100.

YELLOW

Golden Queen. Large, golden yellow, of fine quality. Very hardy and productive; succeeds almost everywhere, and is a most desirable berry, bringing good prices in the market. 75c. per doz., \$5.00 per 100.

CURRANTS

Cherry. A strong growing variety. Fruit of the largest size, deep red. 10c. each, \$1.00 per doz., \$7.00 per 100.

Moore's Ruby. Bush upright, strong-growing; cluster medium to large; berries above medium, juicy, sweet and good; clear ruby color. 10c. each, \$1.00 per doz., \$7.00 per 100.

North Star. Bush very vigorous, upright, somewhat spreading; clusters medium length; berries vary from small to medium or above; dark red; comparatively mild acid. Hardy; productive. 10c. each, \$1.00 per doz., \$7.00 per 100.

Victoria (Baby Castle). Bush a very strong, upright grower; foliage rather pale bronze-green; clusters above medium length; berries medium or above, bright red, with mild acid pulp. One of the most valuable late varieties. Very productive. 10c. each, \$1.00 per doz., \$7.00 per 100.

Wilder (President Wilder). Bush upright, vigorous; clusters above medium length; berries large to very large, averaging large; bright red; excellent, with mild sub-acid flavor. Ripens early and remains bright and firm until very late. 10c. each, \$1.00 per doz., \$7.00 per 100.

Black Naples. Bush very vigorous, upright, moderately productive; fruit varies from small to large, averaging above medium; pulp acid, with strong flavor. An old and well-known variety. 10c. each, \$1.00 per doz., \$7.00 per 100.

White Imperial. Bush vigorous and very productive; clusters large; berries very large, sweet and most delicious. This is the best of the White Currants. 10c. each, \$1.00 per doz., \$7.00 per 100.

BLACKBERRIES

Dorchester. Medium; fruit firm, sweet and high flavored. A vigorous grower, producing large crops.

Kittatinny. A stout, erect and vigorous growing kind. Fruit large and delicious.

New Rochelle, or Lawton. Fruit very sweet and delicious when well ripened.

Wilson's Early. Very good, large, firm and sweet; hardy and productive, and one of the earliest in fruit.

Eldorado. The berries are very large, jet black, sweet and without core.

Mersereau. A mammoth early berry, very sweet and melting, without core, and an enormous yielder.

Iceberg. One of Luther Burbank's introductions, color white, a novelty.

10c. each, 75c. per doz., \$5.00 per 100.

GOOSEBERRIES

Downing. Pale green, large, prolific and good. Best for home and market use. \$1.00 per doz., \$7.50 per 100.

Smith's Improved. Large, pale, greenish yellow; skin thin. Excellent quality. \$1.00 per doz., \$8.00 per 100.

Red Jacket. Bush vigorous, upright and productive. Fruit varies in size from medium to above medium. Color pale red. \$1.00 per doz., \$8.00 per 100.

Golden Prolific. Good grower, hardy, productive. Fruit large golden yellow; excellent. \$1.00 per doz., \$8.00 per 100.

ENGLISH VARIETIES

Crown Bob. Large, roundish oval, red, hairy, of fine quality. 25c. each, \$2.50 per doz., \$18.00 per 100.

Industry. Without doubt the most thoroughly tested and successful of the English varieties. Bush strong, upright, immensely productive. Berries largest size, dark red, excellent quality. 25c. each, \$2.50 per doz., \$18.00 per 100.

Whitesmith. Large, roundish oval, yellowish white, nearly smooth, of first quality. 25c. ea., \$2.50 per doz., \$18.00 per 100.

HARDY HERBACEOUS PLANTS

* Time of Flowering

	Each	Doz.
ANCHUSA incarnata. Flesh pink, very fine. Height 2 to 3 ft. *July and August	\$0 15	\$1 50
ACHILLEA The Pearl. Pure white, flowers in profusion. 18 to 24 in. *All summer	15	1 50
ACONITUM napellus. Flowers blue, very fine. 18 to 24 in. *September and October	15	1 50
ADONIS vernalis. Flowers bright yellow, 2 to 3 inches across. 12 in. *Early spring	10	1 00
ANTHEMIS Kelwayi. Flowers golden yellow, of dense bushy habit. 12 to 18 in. *July to November	20	2 00
ANEMONE Honorine Joubert. Pure white, large flowers. 18 to 24 in. *July to October	15	1 50
Queen Charlotte. Semi-double, light pink. 18 to 24 in. *July to October	20	2 00
Whirlwind. Semi-double, pure white. 2 to 3 ft. *July to October	15	1 50
Chinensis. Mixed. 2 to 3 ft. *July to October	10	1 00
AQUILEGIA alpina, Blue. One of the very best. 12 to 18 inches. *All summer.	20	2 00
Skinnerii. Flowers scarlet, with greenish tips; a very distinct variety. 12 to 18 in. *All summer	20	2 00
California. Large yellow flowers, dark orange spurs. 12 to 18 in. *All summer	15	1 50
ASCLEPIAS tuberosa. Spikes of bright orange flowers, very showy. 2 ft. *July to September	15	1 50
BELLIS perennis (Double Daisy) Maxima. Double red. 4 in. *Spring	10	1 00
Perennis (Double Daisy) Maxima. Double white. 4 inches. *Spring	10	1 00



Anemone.

	Each	Doz.
BELLIS Perennis (Double Daisy) Long-fellow. Double pink. 4 in. *Spring	\$0 10	\$1 00
Perennis (Double Daisy) Delicata. Pink and white. 4 inches. *Spring	10	1 00
CARNATIONS, French Chaudauds. Fine mixture. 12 in. *Summer	10	1 00
Non plus ultra. Border pinks; extra fine mixture. 10 in. *Summer	10	1 00
Double Vienna. Large flowering. 12 in. *Summer	10	1 00
Perpetual or Tree. Excellent sort, large flowering, mixed. 12 to 15 in. *Summer	20	2 00
Perpetual or Tree. Excellent sort, large flowering, scarlet. 12 to 15 in. *Summer	25	2 50
Perpetual or Tree. Excellent sort, large flowering, salmon. 12 to 15 in. *Summer	25	2 50
Perpetual or Tree. Excellent sort, large flowering, yellow. 12 to 15 in. *Summer	25	2 50
Perpetual or Tree. Excellent sort, large flowering, pure white. 12 to 15 in. *Summer	25	2 50
Perpetual or Tree. Excellent sort, large flowering, rosy carmine. 12 to 15 in. *Summer	25	2 50
CAMPANULA persicifolia. Large flowering blue, very fine. 18 to 24 in. *July and September	15	1 50
Persicifolia Moerheimii. Beautiful double pure white, very large flowers. This variety is very compact and vigorous. 18 to 24 in. *June and July	20	2 00
COREOPSIS lanceolata. One of the best perennials in cultivation, with large lemon-yellow flowers on long stems. 2 to 3 ft. *All summer	15	1 50
Grandiflora. A free flowering, desirable species, with rich golden yellow flowers. 18 in. *All summer	15	1 50
CHRYSANTHEMUM maximum Robinsonii. A very handsome variety, with beautifully fringed flowers; one of the best. 2 ft. *All summer	25	2 50
Maximum. White, fine for cutting. 2 ft. *All summer	20	2 00
Maximum Triumph. Very large, single white flowers. 2 ft. *All summer	20	2 00
Hardy Pompon. In 25 varieties. 18 in. *September and October	10	75
DELPHINIUM formosum. Dark blue. 2 to 3 feet. *Summer	20	2 00
Formosum. Coelestinum. Sky-blue; very handsome. 2 to 3 ft. *Summer	25	2 50
Cardinale. Scarlet; splendid. 2 ft. *Summer	20	2 00
Nudicaule. Scarlet, dwarf; excellent sort. 12 inches. *Summer	25	2 50
DIELYTRA spectabilis. (Bleeding Heart.) Rose. 15 in. *Summer	20	2 00
Spectabilis. (Bleeding Heart.) White. 15 in. *Summer	25	2 50
DIGITALIS (Foxglove) Gloxiniaeflora. Pure white to deep pink. 3 to 4 ft. *June to July	15	1 50

	Each	Doz.		Each	Doz.
EULALIA. The grasses are fine for making beds and groups for tropical effect. Long, graceful foliage, and large pampas-like plumes, in fall.			PHLOX subulata. An early spring flowering phlox with neat moss-like foliage growing close to the ground, which during the flowering season is completely covered under a mass of bloom. Pink or white. *Spring	\$0 20	\$2 00
Japonica variegata. Large plumes, variegated foliage. 5 to 6 ft.	\$0 20	\$2 00	PRIMULA cashmeriana. Flowers light blue with yellow eye. 10 to 12 in. *June	15	1 50
Zebrina. One of the most beautiful of all ornamental grasses; foliage marked crosswise, with bands of creamy white. very attractive. 5 to 7 ft.	25	2 50	Japonica. Invariably colored flowers of crimson, maroon, lilac, rosy-pink, or white, with a differently colored eye. 10 to 12 in. *Spring	15	1 50
FUNKIA variegata. Foliage green and white; fine for border. 10 to 12 in. *Summer	10	75	Veris. (Cowslip.) Embracing a fine range of color. 10 to 12 in. *Spring	10	1 00
GAILLARDIA grandiflora. One of the most effective and showiest hardy flowering plants, with gorgeous flowers of bright yellow and orange, with deep crimson center. 18 in. *All summer	15	1 50	RUDBECKIA. (Golden Glow.) So well known it needs but little description; flowers double yellow Cactus Dahlia-like and are borne on stems 6 to 8 ft. high, in great profusion. *August and September	15	1 50
GYPSOPHILA paniculata. An elegant light and graceful perennial, forming a mass of thread-like stems, with an abundance of small, white flowers. 2 to 3 ft. *July and Aug.	15	1 50	SANGUINARIA. (Blood Root.) White flowers 6 in. *April and May	20	2 00
HEMEROCALLIS. Fine, tall-growing plants, with sweet-scented lily-like flowers.			SCABIOSA caucasia. One of the handsomest hardy plants, with flowers of a beautiful soft lilac color; fine for cutting. 18 in. *All summer	15	1 50
A. Major. Sweet-scented, trumpet shaped, deep orange color. 3 ft. *July and Aug.	25	2 50	SPIRAEA Gladstone. A beautiful species producing dense blooms of feathery white flowers in June. 18 in. *June	30	3 00
Kwanso. Double. A very free flowering, double copper color. 4 ft. *Summer	15	1 50	SWEET WILLIAM. Double mixed, variegated, margined. 18 in.	10	1 00
Middendorffii. Deep golden yellow. 2 to 3 ft. *June and July	15	1 50	TRILLIUM Grandiflorum. Large white flowers, very fine, shady, 10 in. *Spring	15	1 50
HEUCHERA sanguinea. Bright crimson lily of the valley shaped flowers. 1 to 2 ft. *All summer	15	1 50	TRITOMA. (Red-Hot Poker Plant.) These plants are well worthy a trial in every garden or border; their brilliant spikes of orange yellow and scarlet flowers attract attention wherever seen; grand plant for massing.		
HOLLYHOCK. Finest double white, rose, pink, purple, crimson, yellow. 4 to 6 ft. *Summer	25	2 50	Pfitzeri. 2 to 3 ft. *All summer	20	2 00
Allegheny. Mixed colors, single and double. 4 to 6 ft. *Summer	20	2 00	Everblooming. 2 to 3 ft., *All summer	20	2 00
Single mixed. 4 to 6 ft. *Summer	20	2 00			
IBERIS gibraltarica. Large flowers, violet shading to white; very fine. 6 to 8 in. *May and June	15	1 50			
INCARVILLEA Delavayi. Quite hardy, with numerous good-sized Gloxinia-shaped flowers. 3 ft. *June	50	5 00			
LUPINUS arborea. Yellow tree lupin.	10	1 00			
LYCHNIS chalcidonica. Brilliant scarlet flowers. 2 to 3 ft. *All summer	15	1 50			
MYOSOTIS Water witch. Dwarf, blooming from spring until autumn. 4 to 6 in.	10	1 00			
Palustris. True March variety; blooms continually if planted in a moist, shady place. 4 to 6 in.	10	1 00			
PANSY. Colors separate or mixed. Our pansy plants are grown from our own carefully selected strains. Per 100 \$5.00, per 1000 \$45.00	10	75			
POPPY Orientale Hybrids. Showy perennials, with immense showy scarlet and red flowers, 6 to 8 in. in diameter, on long stems borne well above the foliage. 18 in. *June	15	1 50			
PLATYCODON. These are sometimes called campanulas, to which they are closely allied. They form neat plants, bearing a succession of flowers on upright stems.					
Grandiflora coerulea. Fine blue flowers. 18 in. *June to October	15	1 50			
Grandiflora alba. Pure white. 18 in. *June to October	15	1 50			



Tritoma.

CONIFERS OR EVERGREENS

ABIES concolor. (Grafted.) The foliage is long and broad, quite blue when young, becoming paler green with age. 3 ft. high. Each \$4.00.

Nordmanniana. One of the richest and handsomest conifers for ornamental planting ever introduced; dark green. 2 ft. \$1.00 each, 3 ft. \$2.00, 4 ft. \$3.00.

CEDRUS atlantica glauca. Very vigorous and hardy; one of the most striking evergreens when grown to specimen size. 2½ ft. \$2.00 each, 3½ ft. \$3.00 each.

JUNIPERUS virginiana glauca. A free-growing variety with rather slender branches. The foliage during the growing season is of almost silvery whiteness, changing to a blue in the autumn and finally to a pale green during the winter. A striking tree, succeeding well in the northern States. 2½ ft. \$1.50 each, 3 ft. \$2.00 each.

PICEA Alcockiana. This is one of the finest spruces from Japan, where it becomes a lofty pyramidal tree well furnished with dark green foliage, distinctly blue underneath. 2 ft. \$1.00 each, 3 ft. \$1.50 each, 4 ft. \$3.00 each.

Excelsa. (Norway Spruce.) One of the handsomest conifers for the decoration of parks and landscapes. When grown singly its lofty trunk is feathered with branches from the base to the summit. More frequently planted in this country than any other evergreen. 2 ft. 50c. each, 3 ft. \$1.00 each, 4 ft. \$1.50 each, 5 ft. \$3.00 each.



Pinus Austriaca.

PICEA excelsa aurea. The same as Excelsa, but has a golden appearance; very pretty. 2 ft. \$1.50 each, 3 ft. \$2.00 each, 4 ft. \$3.50 each.

Excelsa inverta. A pendulous variety, in which the branches droop or weep, forming a grotesque, striking tree. 2 ft. \$2.50 each, 3 ft. \$3.50 each.

Douglasii. Of quite rapid growth and conical form; foliage a delicate green, blue underneath; hardy and easily grown. 2 ft. 60c. each, 4 ft. \$2.00 each.

Douglasii glauca elegans. 2 ft. 2.00 each, 3 ft. \$3.00 each.

Pungens glauca. (Koster's grafted.) This noble tree is a native of the Rocky Mountains, and is unquestionably one of the finest evergreens. Foliage fine blue, in marked contrast to the green of other trees. One of the hardest and most beautiful of all the evergreens. 2 ft. \$2.50 each, 3 ft. \$4.00 each, 4 ft. \$8.00 each, 5 ft. \$15.00 each.

Pungens glauca pendula. The same as Pungens glauca, but of drooping habit. 2 ft. \$3.50 each.

Excelsa Remontii. A dwarf-growing, conical, compact variety, with dark green foliage. Forms an elegant dwarf tree much used in beds and borders. 1½ ft. \$1.00 each, 2 ft. \$2.00 each, 3 ft. \$3.00 each.

Orientalis. A smaller tree, rather more dense in habit than the common spruces. The branches are clothed with foliage much oppressed, which gives it a more slender appearance than the other species. The color of the foliage is a deep glossy green, the brightest in color of all the spruces. It is perfectly hardy; much richer in color than the Norway Spruce, and is decidedly a more graceful tree. One of the best evergreens, and is particularly valuable for northern planting, where it is extensively used in group and specimen work. 2 ft. \$1.50 each, 3 ft. \$2.50 each, 4 ft. \$4.00 each.

PINUS Cembra. It is furnished from the base to the summit with branches, which are densely clothed with tufts of large, silvery green foliage; very hardy. 2 ft. \$1.50 each, 3 ft. \$2.50 each.

RETINISPORA filifera. A low tree of irregular outline and very elegant appearance. 1½ ft. \$1.00 each, 3 ft. \$2.50 each.

Nana gracilis aurea. A beautiful pyramidal tree, with spreading branches elongated at their extremities with pendulous stems; color green shading to yellow at the ends. 2 ft. \$2.50 each.

Obtusa. The strongest grower of the Retinispora family, and forms a handsome specimen. The branches are numerous and spreading, the lower ones decumbent, giving the tree a graceful appearance. The foliage is fern-like and of a clear, pretty green color. This variety is one of the most useful of the Retinisporas. 1½ ft. \$1.00 each, 2½ ft. \$2.50 each, 3½ ft. \$3.50 each.

Obtusa aurea. Identical with Obtusa except in color, which is of a deep, golden yellow, particularly marked during the growing season. One of the most striking colored conifers in cultivation. 2 ft. \$2.00 each, 3 ft. \$3.00 each, 4 ft. \$4.00 each.

Plisifera. A distinct and useful variety. 3 ft. \$1.50 each, 4 ft. \$2.50 each.

RETINISPORA—Continued.

Plumosa aurea. 1½ ft. 50c. each, 2 ft. 60c. each, 3 ft. \$1.00 each, 4 ft. \$2.00 each.

Plumosa vera. 1 ft. 40c. each, 3 ft. \$2.00 each.

Squarrosa Veitchii. 1 ft. 50c. each, 3 ft. \$2.50 each.

THUYA occidentalis. (American Arbor vitæ.) The common Arbor vitæ is generally used for hedges, as it stands pruning well and makes a compact, thick screen. In the winter it turns a brownish green color, but quickly changes to a brighter green in March and April. The following is a partial list of its numerous varieties. 3 to 4 ft. \$1.00 each, 5 to 6 ft. \$2.50 each.

George Peabody. Of dwarf, compact growth; foliage bright golden color, which it retains throughout the summer. The best golden variety. 3 ft. \$3.50 each.

Hoveyi. (Hovey's Arbor vitæ.) Show growth, pyramidal form, golden green tinge. Most ornamental of the American Arbor vitæ. 3 ft. \$3.00 each.

Siberian, or Wareana. This valuable variety has dense compact foliage of pure green color, even in winter. It grows more slowly than the American, and needs less trimming. We offer uniform sheared specimens. 3 ft. \$3.00 each.

Vervaeana. A hardy variety in which the green is singularly intermixed with a predominating shade of golden yellow. 3 ft. \$3.50 each.

Gigantea. Large healthy grower. 3 ft. \$2.00 each.

Lobbi. Compact, small foliage, pretty. 3 ft. \$2.00 each.

Lobbi aurea. Compact, small foliage, yellowish. 3 ft. \$2.50 each.

TAXUS baccata. (Irish Yew.) 3 ft. \$2.50 each.

Baccata erecta Ouyaridin. 3 ft. \$2.50 each.

HEDGE PLANTS

California Privet. One of the most satisfactory plants for hedges known at the present time. Glossy green foliage, easily kept in shape, and of fine symmetrical habit naturally. Price, 18 to 24 in. high, 2-year-old, 100 \$3.00, 1000 \$25.00; 24 to 28 in. high, 2-year-old, 100 \$5.00, 1000 \$40.00; 28 to 36 in. high, 2-year-old, 100 \$6.00, 1000 \$50.00. Large bushy plants, 7 to 12 feet high, \$1.00 to \$3.00 each; \$10.00 to \$30.00 dozen.

Armour River Privet. The same as California Privet but much hardier. Price, 18 to 30 in. high, bushy, 100 \$6.00, 1000 \$50.00; 36 to 42 in. high, bushy, 100 \$10.00, 1000 \$90.00.

We always have large stocks of privet and can supply in quantities up to one hundred thousand. Special prices on large lots on application.

Berberis Thunbergii. From Japan. A pretty species, of dwarf habit, small foliage, changing to a beautiful coppery-red in autumn. Showy orange-yellow flowers in May, and succeeded by bright red fruit,

very hardy, and the best slow growing hedge plant. Also valuable to grow as a shrub. 2-year-old plants 10c. each, \$1.00 dozen, \$6.00 per 100; 3-year-old plants 15c. each, \$1.50 dozen, \$8.00 per 100.

Arbor Vitæ, American. 18 to 24 in. \$1.50 per dozen, \$10.00 per 100.

Arbor Vitæ, Siberian. 18 to 24 in. \$2.00 per dozen, \$15.00 per 100.

Norway Spruce. 18 to 24 in. \$2.00 per dozen, \$15.00 per 100.



Retinispora Squarrosa Veitchii.



A Beautiful Hedge of California Privet.

IMMENSE CROPS WITHOUT FERTILIZERS

THE UNITED STATES DEPARTMENT OF AGRICULTURE SAYS:

"It is worse than useless to attempt to grow any leguminous crop without being certain of the presence of the bacteria which enables the plants to fix free nitrogen. Certain regions are practically devoid of the right kind of bacteria, and unless some artificial means of inoculating the germs be resorted to the crop will be a failure."

Nitrogen-Collecting Bacteria

We test our cultures. We have no connection with any other concern calling their product Nitrogen Culture.

It is an undisputed fact that all plant growth must have ammonia or nitrogen in order to thrive and that under normal conditions this nitrogen must be obtained through the root in some highly organized form.

For many years this nitrogen has been furnished to crops, when it was needed, by mixing with the soil a fertilizer such as nitrate of soda, but recently it has been discovered that in the case of many crops there is another way to accomplish the same result with less expense and less trouble. The leguminous or pod-bearing plants, it is well known, often have upon their roots lumps or nodules. Scientists have found that these small nodules contain immense numbers of bacteria which have the power of collecting the nitrogen of the air, using part of it for their own sustenance and furnishing part of it for the sustenance of the plant. The United States Department of Agriculture has been experimenting with these bacteria for several years and at last they have invented a process which when applied to the seeds of any leguminous or pod-bearing plant will cover them with the nitrogen-collecting bacteria. If they are subjected to this treatment and then planted, as soon as the seeds sprout the bacteria enter the roots forming the above-mentioned lumps or nodules. In the use of cultures for inoculating, the farmer should be guided, as in all other matters pertaining to soil treatment, by his own peculiar needs and should not give too great weight to the experiences of others whose soil conditions may differ widely.

It must not, however, be taken for granted that because a crop has apparently failed, that it is caused by a scarcity of nitrogen in the soil. What may be lacking is some form of potash, phosphates, or lime if the land is sour. In order to determine if the soil is sour procure from any drug store a piece of blue litmus paper; insert this paper in damp soil and let it remain twenty-four hours and if the paper turns pink or pinkish the soil is sour and needs lime. Hydrated Lime is preferable and can be furnished by us.

Cultures are furnished for the following named seeds only: Those carried out on the same line require the same bacteria.

Alfalfa, or Lucerne.	Cow Peas.
Red Clover.	
Alsike Clover, White Clover.	Garden Beans.
Crimson Clover.	
Burr Clover.	
Japan Clover.	Soy Beans.
Field Peas (Canada Field Peas)	Velvet Beans.
Garden Peas.	Vetch.
Sweet Peas.	Peanuts.

Prices:—Special Garden Package, each 25c.; half acre, \$1.00; one acre, \$1.50; two acres, \$2.50; three acres, \$3.00, and five acres, \$5.00. Apply for prices on larger packages.

Always state, when ordering, the kind of seed to be inoculated as well as number of acres. This will save much delay and trouble.

Cultures will keep 1 year from date of shipment, and can be used within that time.

Genuine Peruvian Guano

Peruvian Guano contains more than twice as much plant food as most of the so-called special fertilizers sold at \$30.00 to \$40.00 per ton. There is no other fertilizer, either manufactured or natural, which contains as much plant food as this, or in so available forms.

Per 5 lbs. 35c., per 10 lbs. 50c., per 25 lbs. \$1.15, per 50 lbs. \$1.75, per 100 lbs. \$3.00, per 200 lbs. \$5.50, per ton (2,000 lbs.) \$40.00.

Emerald Lawn Dressing

A clean, portable and convenient lawn dressing, which we have found to be never failing in inducing a rapid and rich green growth. It should be sown broadcast in the spring or fall, though it can be put on during the summer without injury or danger of burning the grass, and a remarkable improvement will soon be observed. It is in every way more desirable than manure, which is so often full of weed seeds. The use of "Emerald Lawn Dressing" entirely does away with the old practice of top-dressing lawns with stable manure, which was so objectionable on account of unsightliness and disagreeable odors.

Quantity Required. A 10-lb. package is sufficient to go over an area of 300 square feet, or for forming a new lawn, from 1,000 to 1,500 lbs. per acre, or a smaller quantity for renovating an old one. Price, 4-lb. package 15c., 50-lb. bag \$1.50, 100-lb bag \$2.50, per ton of 2,000 lbs. \$40.00.

THOMPSON'S VINE, PLANT AND VEGETABLE MANURE

1 cwt. \$7.00, ½ cwt. \$3.75, ¼ cwt. \$2.00.

SPECIAL CHRYSANTHEMUM MANURE

½ cwt. \$7.00, ¼ cwt. \$3.75, ⅛ cwt. \$2.00, 7 lbs. \$1.00.

"BONORA." "NATURE'S PLANT FOOD"

The first essential to all plant life is the use of a good and complete fertilizer, and this is fully supplied by "Bonora," the recognized fertilizer of modern times. The actual results from the use of "Bonora" have been demonstrated fully, and for flowering plants of all kinds, such as roses, violets, geraniums, chrysanthemums, hothouse plants of every description, etc., it is invaluable, greatly enhancing the beauty of same, entering the life of the plant, maturing the crop two to three weeks earlier, and improving it in every detail. The same applies to vegetables, lawns, shrubbery, grape vines, and in fact everything pertaining to plant life. It will greatly enrich the soil wherever applied, giving the plant an active, pushing growth. The use of "Bonora" is a luxury to every prominent grower, and the instructions are so simple that the most inexperienced grower can follow them out. "Bonora" has been used with eminent success on the Capitol grounds of Washington D. C., and in all the principal departments of that city. "Bonora" is put up in dry and liquid form, as follows:

1, 2, 5 and 10-gallon kegs, per gal. \$2.00.

Half-barrels (25 gals.), per gal. \$1.75.

Barrels (50 gals.), per gal. \$1.50.

Put up in dry form all size packages as follows:

5 lbs. making 140 gallons,	\$2.50.
10 " " 280 " "	\$5.00.
40 " " 1120 " "	\$20.00.
100 " " 2800 " "	\$42.50.

Circular and further information on application

FERTILIZERS

S. & W. Co.'s Garden Fertilizer

For Vegetables and Flowers

Strictly high grade, containing all the elements needed by vegetables and flowers for their quick growth, early maturing and perfect development. The ingredients are quickly soluble, and immediately commence to feed the plants, stimulating them into healthy, luxuriant growth, and it continues to feed them until the end of the season. A 10-lb. package is sufficient for a space 15x20 ft. for one application, or 500 to 600 lbs. per acre. Instructions on each package. Price, 5 lbs., 25c.; 10 lbs., 45c.; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; 200 lbs., \$5.00; per ton, \$45.00.

Clay's Celebrated Fertilizer

On account of the high reputation which this Fertilizer has in England, and as we have had many inquiries for it by gardeners here, we have imported some from Messrs. Clay & Son, which we offer at the following prices. It is undoubtedly one of the best manures for all horticultural purposes, either in greenhouse or garden, and we believe its high reputation is well deserved. It is productive and lasting, and notwithstanding its apparently high price, it is quite economical. Prices, in bags, 1 cwt. (112 lbs.), \$7.00; $\frac{1}{2}$ cwt. (56 lbs.), \$4.00; $\frac{1}{4}$ cwt. (28 lbs.), \$2.25; $\frac{1}{8}$ cwt. (14 lbs.), \$1.25.

Raw Bone Meal—Best Grade

The best all-around Fertilizer for garden, lawn and farm. Our Raw Bone Meal is made from Hard Bones, is evenly ground, and very white and pretty in appearance. For such as prefer a raw to a steamed Bone we recommend our Raw Bone Meal—nothing finer can be made.

Quick-Acting Bone Flour

This bone is ground as fine as it is possible to have it, and where a high grade bone is wanted for immediate results we recommend its use. Price, per 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.75; 90 lbs., \$2.70; per ton, \$45.00.

General Use Bone

This bone is ground to about pin-head size, with a fair percentage of flour bone, and where a high grade bone for immediate and continuous use is wanted, would advise using this grade. Price, per 5 lbs., 25c.; 10 lbs., 40c.; 25 lbs., 75c.; 50 lbs., \$1.40; 100 lbs., \$2.50; per ton, \$40.00.

Top Dressing Bone

For top dressing lawns, and use in gardens. Price, in barrels only, 200 lbs., \$4.00; ton, \$34.00; per 5 tons, \$150.00.

Vine and Tree Bone

For use on Grape or any vines or trees, about the size of a pea. Price, per 5 lbs., 30c.; 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.00; per ton, \$45.00.

Pure Pulverized Sheep Manure

A pure, natural and nutritious manure. Immediate and lasting in effect. Excellent for mixing with the soil for greenhouse plants. In the vegetable garden it promotes a rapid, steady growth until maturity. It makes a rich Liquid Manure.

Quantity required. For garden and field crops, 1 to 2 tons per acre; one-half before plowing, the balance before harrowing. For top-dressing grass, use 1 ton per acre, applied in fall or early spring.

Price, 100-lb. bag, \$2.00; per ton of 2,000 lbs., \$30.00. In packages of 2 lbs., 15c.; 5 lbs., 25c.; 10 lbs., 40c.

Mapes' Celebrated Fertilizers

The highest grade commercial fertilizers, their basis being bone, no rock being used in their composition. All fertilizing constituents, nitrogen, potash and phosphoric acid, are strictly high grade and soluble. *Mapes' Catalogue*, giving analysis and telling how to use these fertilizers, we mail free on application.

	Per 100 lbs.	Per bag 200 lbs.	Per 2,000 lbs.
Potato manure	\$2 50	\$4 50	\$42 00
Corn "	2 50	4 50	40 00
Cabbage and cauliflower manure.	2 50	4 50	40 00
Vegetable manure for all soils	2 75	5 00	44 00
Fruit and vine manure	2 75	5 00	44 00
Orange and fruit tree manure	2 75	5 00	40 00
Grass and grain spring top-dressing	2 75	5 00	44 00
Complete manure, "A" brand	2 50	4 50	40 00
Complete manure, for general use	2 50	4 50	40 00
Complete manure, for heavy soils	2 75	5 00	44 00
Complete manure, for average soils	2 25	4 50	40 00
Complete manure, for light soils	2 75	4 50	44 00
"Cereal" brand, for farm crops	2 00	3 50	32 00

Bowker's Ammoniated Food for Flowers

Made especially for plants grown in the conservatory, house or garden; clean, free from offensive odor. Full directions with each package. Small size, 15c.; large size, 25c.; by mail, 20c. and 30c.

S. & W. Co.'s Rose Brand Plant Food

For house plants; the best and most effective odorless plant food offered in the market.

Price, small pkt., 15c.; by mail, 20c.; large pkt., 25c.; by mail, 30c.

Ashes

Canada Hard Wood

Drive away insects and improve the texture of the soil; indispensable for all crops requiring potash; very beneficial for garden and field crops; of high value for grass lands and lawns.

Quantity required. Apply 1 to 2 tons per acre, as one heavy application will help much more than the same quantity would be applied in fractions.

Price, per bbl. of about 200 lbs., \$2.00; per ton of 2,000 lbs., in bbls., \$18.00. Special prices in bulk.

Nitrate of Soda

Valuable solely for the nitrogen it contains. It is chiefly a stimulant, used in addition to other fertilizers. It is quick in action and hastens crop maturity.

Quantity required. Being extremely soluble, it is usually applied after the plants are above ground, 100 to 500 lbs. per acre.

Price, per 5-lb. package, 40c.; 10-lb. package, 70c.; 25-lb. bag, \$1.50; 50-lb. bag, \$2.50; 100-lb. bag, \$4.50.

REMEDIES FOR INSECTS AND FUNGUS

FIR TREE OIL

The best insecticide in the market for greenhouse and house plants; it frees plants of nearly all insects to which they are subject, and for the following it has no superior: Mealy bug, scale, red spider, aphid (black and green), thrips, blight, worms and slugs, and is also a valuable remedy for animal parasites and insects. Price, $\frac{1}{2}$ -pt. tin 40c., pt. 75c., qt. \$1.25, $\frac{1}{2}$ gal. \$2.25, gal. \$4.00. Directions for use on each can.

FIR TREE OIL SOAP

A formula of the above Fir Tree Oil, prepared in soap form and preferred by some. It will do all claimed for the fluid preparation. Price, $\frac{1}{2}$ -lb. tins, 25c., 2 lbs. 75c., 5 lbs. \$1.70, 10 lbs. \$3.25.

Dry Bordeaux Mixture. Ready for use by simply adding water. 1-lb. box 20c., makes 5 gallons spray; 5-lb. box 75c., 50-lb. keg \$6.00, 100-lb. keg \$10.00.

Rose Sulpho-Tobacco Soap. For plants, trees, cattle, poultry, etc. Packages 10c., $\frac{1}{2}$ -lb. packages 25c.

Tobacco Dust. 1 lb. 10c., 5 lbs. 25c., 100 lbs. \$3.50,

Whale Oil Soap. 1 lb. 15c., 2 lbs. 25c., 5 lbs. 50c.

Persian Insect Powder. For roaches, ants, fleas, etc. $\frac{1}{4}$ lb. 10c., 1 lb. 35c., 5 lbs. \$1.60.

Flowers of Sulphur. For mildew. 1 lb. 10c., 5 lbs. 40c., 10 lbs. 60c., 100 lbs. \$5.00.

Paris Green. 1 lb. 25c., 5 lbs. \$1.00, 100 lbs. \$10.00.

London Purple. 1 lb. 20c., 5 lbs. 90c.

Slug Shot. 5 lbs. 30c., 10 lbs. 50c., 100 lbs. \$4.00.

Grape Dust. For mold, mildew or rust mites, either in greenhouse or open air. 5 lbs. 30c.

Rose Leaf Extract of Tobacco. 1 pt. 30c., 1 qt. 50c., 1 gal. \$1.50, 5 gals. \$5.00.

"Cattle Comfort." Protects horses, cattle, dogs, etc. from flies, gnats, mosquitoes, horse-flies and other insects; is healing to sores, destroys head-lice on fowls, etc. Price, 1 qt. 45c.

Caterpillar Lime. A German tar paste for smearing on trees to prevent insects, caterpillars, etc., from crawling up trees. Price, 5-lb. can \$1.00, 25 lbs. \$4.50.

Rosebrand Tobacco Soap quickly exterminates all insect life on plants and flowers in and out of doors. Unsurpassed for rose bushes. For a cheap, effective, clean and harmless insecticide for Amateur and Professional Growers this is unexcelled. 3-oz. cake, sufficient for $1\frac{1}{2}$ gallons prepared solution, 10c.; mailed, postpaid, 13c. 8-oz. cake, sufficient for four gallons prepared solution, 20c.; mailed, postpaid, 28c.

BUG DEATH

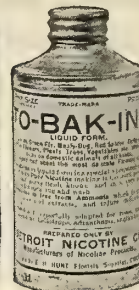


Pat. March 16 and Nov. 9, 1897.
Ret. in Canada Nov. 2, 1897

This is a fungicide, insecticide and plant food combined, which has been used for three years with first-class results. It is claimed that the increase in the crops resulting from its use will pay for the trouble and expense several times over. 1-lb. package 15c., 3 lbs. 35c., 5 lbs. 50c., 12 $\frac{1}{2}$ lbs. \$1.00.

Perfection Shaker, for applying above, 65c. each.

TO-BAK-INE PRODUCTS



Will positively kill green and black fly, thrips, mealy bug, red spider and other insects on flowers, plants, trees, etc.

To-bak-ine Fumigating Paper. For quick and effective fumigation. Per box, 60c.; by mail, 70c.

To-bak-ine Liquid. For spraying and vaporizing. $\frac{1}{4}$ pt. 60c., $\frac{1}{2}$ pt. \$1.10, 1 pt. \$2.00, 1 gallon \$15.00.

To-bak-ine Fumigating Powder. For slow fumigation. 5 lbs. 30c., 10 lbs. 50c., 25 lbs. \$1.00.

TOBACCO STEMS

Indispensable for fumigating greenhouses and conservatories, for the destruction of green and black aphid and other insects. Price per bale, 100 lbs. \$1.50.

Nicoticide. For killing all kinds of insects on plants in greenhouses and frames.

The most easy, safe and effective method of fumigating greenhouses and frame ever introduced. Price, 4-oz. can 70c., $\frac{1}{2}$ -pt. can \$1.25, 1-pt. can \$2.50. Fumigators for using above, complete, 50c. each.

Nikoteen. Per pt. \$1.50.

Hellebore. For currant worms. 1 lb. 20c., 5 lbs. 90c.

Lemon Oil. Destroys mealy bug, scale, thrips, red spider, black and green fly, caterpillar, etc. $\frac{1}{2}$ pt. 25c., 1 pt. 40c., qt. 75c., $\frac{1}{2}$ gal. \$1.25, gal. \$2.00.

Perm Kerosene Soap.

One of the best remedies against all kinds of insects, especially scale; a superior winter wash against San Jose scale. Per can 25c.

Weed Destroyer. Quart can sufficient to make 6 gallons of liquid, 50c.; gallon can, sufficient to make 25 gallons of liquid, \$1.50; 5-gallon keg, sufficient to make 125 gallons of liquid, \$5.00.

Worm Eradicator. The worms will immediately rise to the surface of the ground or flower bed, or will fall off the trees, fruits or flowers, and in a few minutes will die. It will be found exceedingly effective and quite harmless to fruit, flowers, grass, etc. Full directions for use on each package. 25c. bottle makes 5 gallons liquid, 50c. bottle makes 10 gallons liquid, 1.00 bottle makes 25 gallons liquid.

"Nico-Fume" Tobacco-Paper Insecticide.

For fumigating greenhouses. "Nico-Fume" is positively the strongest tobacco-paper on the market; does not injure blooms; and furnishes the easiest method of fumigation ever devised. "Nico-Fume" is packed in special friction-top tins and is sold as follows: 24 sheets 75c.; 144 sheets \$3.50; 288 sheets \$6.50.

Nikoteen Aphid Punk. By mail 75c. per box of 12 rolls.

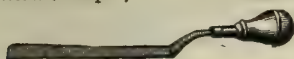


ASPARAGUS KNIVES

English Saw Toothed, each.....\$1.00



American V-shaped, each.....\$0.30



American Straight-edge, each.....\$0.30

ASPARAGUS BUNCHER, 20th Century

It is so constructed that it can be operated very much quicker than any other buncher made.

It will not bruise the grass. It can be adjusted to any size bunch from 4 to 5 inches.

It will last a lifetime, as it is strongly built of iron and has no springs or delicate parts to wear or get out of order. Jaws open wide so that it may be quickly filled and bunch easily removed.

Anyone can operate it. Grass is firmly held so that butt ends can be easily cut while in bunches. Operator can use it either sitting or standing.

Price, \$3.00.



BASKETS, Rustic Hanging

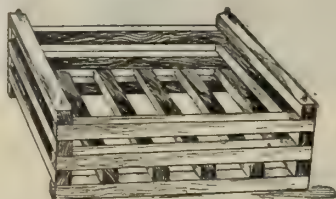
Made from Laurel Roots, elegantly finished and rattan handle.

	Each.	Doz.
8 in.	\$0.70	\$7.00
9 " "	.85	9.00
10 " "	1.00	11.00
11 " "	1.10	12.00
12 " "	1.25	14.00
13 " "	1.40	16.00
15 " "	1.75	19.00

These baskets cannot be equaled in style, finish or make. They are ahead of any basket on the market. They will stand severe weather, and with a little care are good for 10 or 12 years' wear.



ORCHID BASKETS



6 inch, each.....	\$0.35	10 inch, each.....	\$0.50
8 " " " " " "	.45	12 " " " " " "	.60



WIRE HANGING BASKETS

	Each.	Doz.
8 in.....	\$0.25	\$2.75
10 " " " " " "	.30	3.00
12 " " " " " "	.40	4.00
14 " " " " " "	.50	5.00

S. & W. CO.'S FLOWER POT BRACKET



Made of steel, artistic in design and finish. Finished black, very strong and durable. Flower-pots and Saucers are absolutely secured by the spring clasp. Especially adapted to hold plain pots and saucers.

No.	Length of Arm.	Clasp to Hold.	Price Each.
1A	8 inch	5-inch pot.....	\$0.30
2A	10 " "	6 " " " " " "	.40
3A	12 " "	7 " " " " " "	.45

HORSE BOOTS

These boots are made from our own special design, and after two years' practical test by an expert greenkeeper have been pronounced



by him to be the best patterned boot made. The bottoms are made thoroughly water-proof and hardened by a special process. The toe is rounded and curved, which prevents cutting the finest lawn. In its construction copper rivets are used throughout, making it the strongest and most durable boot on the market. The simplicity of construction enables them to be quickly adjusted, while the method of fastening them to the hoof is positive and secure. Price, per set of four boots.....\$9.00

GARDEN LINE



Braided Line, 100 ft.....	\$0.50
Garden Line Reels, malleable.....	.60

STRAWBERRY FORK



A useful hand tool for weeding or general garden use. Length, including handle, 10 in. Price 25c. each.

SPADING FORK



Made from very best material.
4-tine D handle.....\$1.00
5-tine D handle.....1.25
Long handles same price.

HAY FORKS



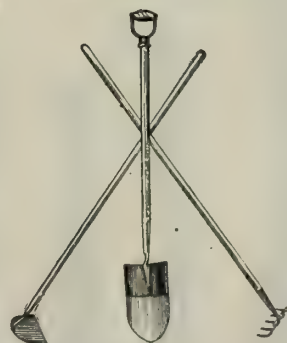
Finest quality steel, oval shaped tines; solid steel shank, patent ferrule, long and strapped.
2 tine.....\$0.50 per doz.....\$5.75
3 tine......60 per doz.....7.00
4 tine......70 per doz.....8.00

MANURE FORK



4-tine D handle, made of best material. Price, 85c. each; 5-tine, \$1.00 each. Long handles same price.

LADIES' GARDEN SET



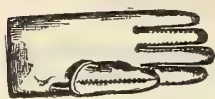
3-piece garden sets; 1 each; shovel, rake and hoe. Made of the very best material and built for hard work.

Price, \$1.00 per set.

GREENWOOD SICKLE



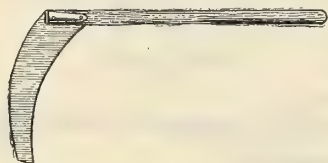
The best and lightest Sickle; made from solid welded steel, one piece, no riveted back to get out of order. Used by the florists of Greenwood Cemetery. Every sickle guaranteed. Price, 60c. each; \$6.00 per doz.



GARDENERS' GLOVES

For protecting the hands.
Heavy Goat,
pair \$1.00

YANKEE CORN KNIFE



For cutting corn stalks, any heavy grass.
Each.....\$0.35 doz.....\$3.60

TURF EDGING KNIFE



For cutting edges of walks, flower beds, etc.
Price, each.....\$0.50



SOLID WELDED STEEL EDGING KNIFE

Socket handle, made of the very best steel, imported English.

Price, with handle.....\$1.50

DRAW, or GARDEN HOES



Extra quality, cast steel, oil tempered,
polished blade.

5 in. blade 35c., per doz.....	\$3.60
6, 7 and 8 in. blade 45c., per doz.....	5.00

ACME HOE



Very popular tool for gardeners and florists for drilling, cultivating and weeding.
Acme double prong, 4½ in. blade, 50c. each.

ENGLISH SCUFFLE HOES



5 in.....	\$0.50
6 in.....	.55
7 in.....	.60
8 in.....	.65

9 in.....	\$.70
10 in.....	.75
12 in.....	.85
Handles inc. extra.	

WARREN HOE



The Warren hoes are unequalled, for hoeing, weeding, cultivating, making drills, covering seed, etc.

Small size.....	\$0.65
Medium size.....	.70
Large size.....	.75

TWO-PRONG WEEDING HOE



A very useful tool for general garden work.
Each 35c., doz. \$3.60.

PERFECT FRUIT PICKER

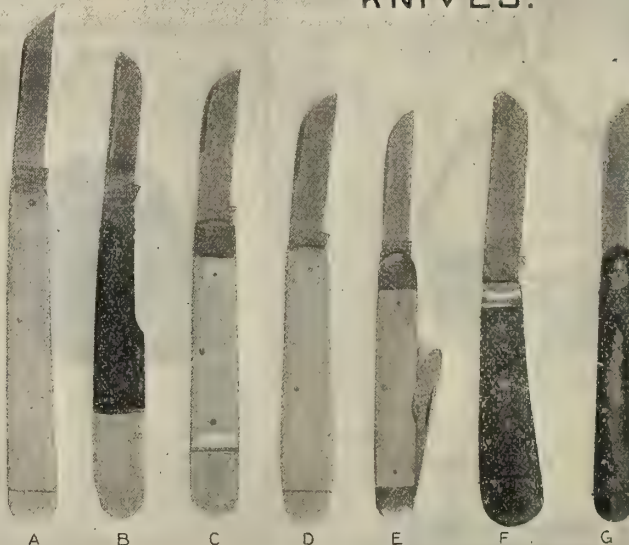


Galvanized wire, to fit any sized pole.	
Price, each.....	\$0.35

PRUNING KNIVES.

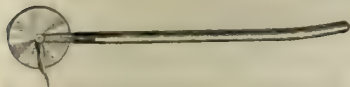


BUDDING KNIVES.



\$1.00	90c.	\$1.00	75c.	65c.	\$1.50	90c.	\$1.25	90c.	\$1.00	50c.	65c.
No. 1	Pruning knife, horn handle, 1 blade.....				Each \$1.00	No. A,	Budding Knife, ivory handle, Saynor.....				Each \$1.50
No. 2	" " " " 1 ".....				.90	No. B,	" " bone " " S. & W.....				.90
No. 3	" " " " 2 blades.....				1.00	No. C,	" " ivory " " S. & W.....				1.25
No. 4	" " ebony 1 blade.....				.75	No. D,	" " " " " ".....				.90
No. 5	" " " " 1 ".....				.65	No. E,	" " " " 2 blades.....				1.00
						No. F,	" " ebony 1 blade.....				.50
						No. G,	" " bone 1 ".....				.65

REVOLVING TURF EDGER



For trimming turf around edges of walks and beds; a revolving knife enables the work to be done with rapidity. Price, \$1.25 each.



FLOWER POTS,

Standard

	Doz.	100
2 in.	\$0.10	\$0.60
2½ "	.12	.80
3 "	.15	1.10
4 "	.35	2.00
5 "	.45	2.75
6 "	.75	4.25
7 "	1.25	7.50
8 "	1.50	10.00
9 "	2.00	15.00
10 "	2.75	20.00
12 "	6.00	40.00

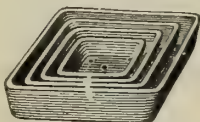
ROUND LILY PANS

H'g't.	Width.	Doz.
5x8 in.		\$1.00
5x10 "		1.50
6x12 "		2.00
7x14 "		4.00
8x16 "		8.00
9x18 "		12.00



COMMON FLOWER POT SAUCERS

	Doz.		Doz.
4 inch	\$0.25	9 inch	\$0.85
5 "	.30	10 "	1.00
6 "	.35	11 "	1.25
7 "	.40	12 "	1.50
8 "	.50	14 "	1.75



SQUARE SEED PANS

H'g't.	Width.	Doz.
6x6 in.		\$3.00
8x8 "		4.00
10x12 "		5.00
12x12 "		6.00



GRASS HOOK

Solid welded back, English make, best quality steel.

Small size	\$0.40
Medium size	.50
Large size	.60

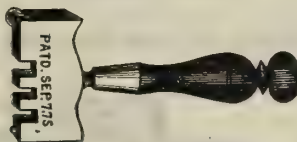


GRASS HOOKS

The Little Giant Grass Hook is a miniature scythe; looks right, hangs right and cuts right; the thing long sought for. Can mow a small lawn with it; can cut closer to trees, fences, etc. Can be used for cutting corn or clipping hedges. Forged steel shank, tanged handle.

Price, 50c. each.

GLASS CUTTERS



Diamond Glass Cutter

A diamond in one corner, and a wheel in the other, assuring a straight cut.

Ebony handle.....\$3.00



Steel wheel cutter, 10c. each; doz.....\$1.00



IMPORTED ENGLISH RIVETED BACK GRASS HOOK

Small size	\$0.50
Medium size	.55
Large size	.60



GRUB HOE

Strong for grubbing out roots, clay, ditches, etc.
3½ lb. 85c., 4 lb. \$1.00, 4½ lb. \$1.25; including handle.

HOTBED MAT

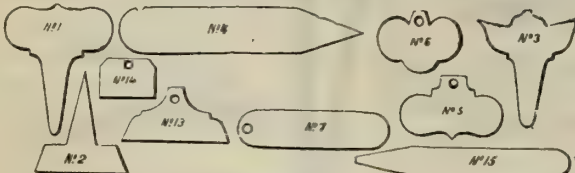


Burlap, for Protecting Cold Frames and Hotbeds.

These are 6x6 ft. square, made of strong burlap bagging, warmly lined with waste wool and cotton, which are quilted in to hold position.

76x76, burlap, \$1.25 each; doz.....	\$14.00
40x76, burlap, \$1.00 each; doz.....	10.00
76x76, burlap, one side duck; \$1.75 each; doz.....	15.00
40x76, burlap, one side duck; \$1.25 each; doz.....	14.00

ZINC GARDEN LABELS



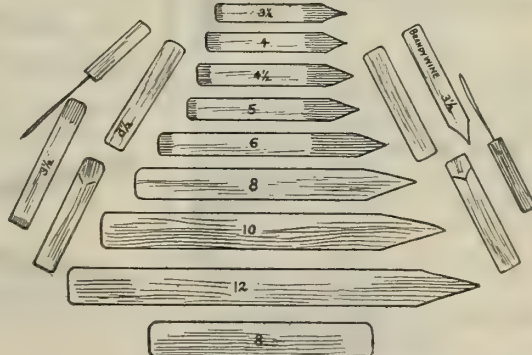
These are unsurpassed, being neat, durable and indelible. The ink marks a jet black, which remains distinct. Use a clean quill or pointed stick.

No.		Doz.	100
1-4	¾x3½	\$0.25	\$1.25
2-4	x2¾	.20	1.10
3-4	x3	.20	1.10
4-5	x1	.20	1.10
5-3½	x2½	.25	1.30
6-2½	x2	.20	1.10
7-2½	x ¾	.15	.75
13-2½	x1½	.15	.75
14-1½	x1½	.15	.65
15-4¼	x4¾	.15	.65

CELLULOID PLANT LABELS

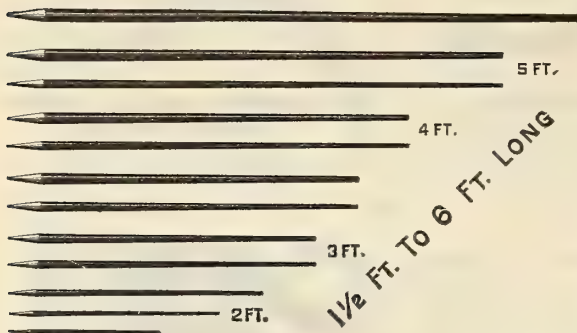
Made from first quality celluloid, nicely finished, wired with copper wire; just the thing for those desiring a neat and practical label for wiring on plants. One box contains 50 assorted labels with bottle of indelible ink. Price, per box, postpaid, \$1.50.

LABELS, Wooden, Pot and Garden



—PLAIN—				—PAINTED—	
		Per 100	1000	Per 100	1000
4	inch.....	\$0.15	\$0.60	\$0.15	\$0.90
4½	".....	.15	.80	.20	1.00
5	".....	.15	.90	.20	1.25
6	".....	.20	1.00	.25	1.35
8	".....	.40	3.50	.50	4.00
10	".....	.45	4.00	.55	5.00
12	".....	.55	4.50	.60	5.50
3½	Copper-wired.....			.25	2.00

PLANT STAKES



PLANT STAKES, Tapering Green

1 1/2 feet.....	Doz.	100	3 1/2 feet.....	Doz.	160
2 ".....	\$0.20	\$1.25	4 ".....	\$0.60	\$4.25
2 1/2 ".....	.30	1.75	5 ".....	.70	5.25
3 ".....	.40	2.60		.80	6.00
	.50	3.40			

DAHLIA POLES

3 feet.....	Doz.	100	5 feet.....	Doz.	100
3 1/2 ".....	\$0.75	\$6.00	6 ".....	\$1.30	\$10.00
4 ".....	.90	7.00		1.40	11.00
	1.00	8.00			

JAPANESE CANE STAKES

5 1/2 to 6 feet.....	Doz.	100	1000
6 " 8 ".....	\$0.25	\$1.00	\$8.00
10 " 12 ".....	.35	1.50	12.00
	.75	6.00	

INDELIBLE INK

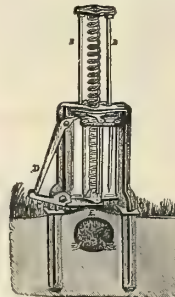
Yates' Imported, per bottle.....\$0.25

INDELIBLE PENCILS, Wolf's

Each \$0.10.....per doz. \$1.00

MOLE TRAPS—Olmstead's Improved Reliable

The invention consists of the frame A, constructed with two cross bars, in which are holes to guide the needle bars B B. At the lower end of the needle bars is attached a plate to which six needles are made fast, three on each side of the plate. To the upper end of the needle bars is attached a platform for the purpose of holding a weight, either a brick or stone, which serves to operate the trap when set off by the mole.



Springs are also furnished to operate the trap. The spring can be readily attached and detached, it simply being hooked to the trap, so that either a weight or spring can be used to operate it.

Upon each side of the frame at C C, projections are made which serve as stops or guides to indicate when the trap is pushed into the ground the right distance to insure the catching of the mole, and also to serve as a support for the trap. This is a very important feature in mole traps, for it obviates all guesswork in setting in.

To the frame is attached the lever D and trigger E, both made to work loosely on pivots.

This trap is constructed entirely of steel and iron

Price—Each, \$1.50, per doz. \$15.00.

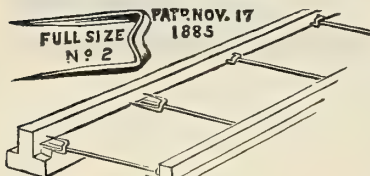
NEW MODEL. This is the only trap that can be set under hotbed frame, as the trap when set is only 11 1/2 inches high.

Price—Each \$1.50, per doz. \$15.00.

PAPER

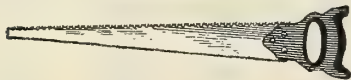
Wax.....	24x36, ream.....	\$3.00
".....	18x24, ".....	2.00
Tissue.....	24x36, ".....	1.00
Manilla.....	24x36, ".....	2.00
Wrapping.....	40x48, per lb.....	.10

GLAZING POINTS



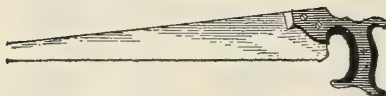
Van Reyepers.
Per 1,000.....\$0.65 5,000.....\$3.00
Siebert's Never Rust Glazing Pegs, lb.....\$0.40
Model Points, lb......40

DOUBLE EDGE PRUNING SAW



12 inch.....	Each.	18 inch.....	Each.
14 ".....	.50	20 ".....	.80
16 ".....	.60	22 ".....	.90

PLAIN, ONE EDGE PRUNING SAW



12 inch. Each, \$0.40	18 inch. Each, \$0.70
14 " " .50	20 " " .80
16 " " .60	22 " " .90

FRENCH SHEAR



The best shear made. Guaranteed to last longer and wear better than any shear on the market.

5 1/2 inch.....	Each.	8 1/2 inch.....	Each.
6 1/2 ".....	\$1.25	9 1/2 ".....	\$1.45
	1.35		1.75

California No. 1, Full Nickel Shear



An extra fine shear at a low price.
Each, \$0.75.

Nickel Plated Ladies' Pruning Shear

5 1/2 inches.....\$0.90 6 1/2 inches.....\$1.00

Wiss Solid Steel Pruning Shear



Made to last forever.
109-9 inches, each.....\$2.00
110-10 " ".....2.50

ENGLISH LOPPING SHEARS



No. 1, 20-inch handles.....\$2.00
" 2 24 " ".....2.25
" 3 28 " ".....2.50
" 4 32 " ".....2.75

SHEAR NO. 2



Steel blades, malleable handles, 8 inches.
Each, \$0.50.

GRASS SHEARS



Full nickel, solid steel.
6-inch blade.....75c. 7-inch blade.....\$1.00

GRASS EDGING OR BORDER SHEARS

For trimming the overhanging grass around the edges of walks, etc.
Price, 10 inch blades, \$2.50, or with wheel, \$2.75.

LAWN SHEARS

For cutting grass under shrubs, fences, etc.
Price, with two wheels, 10 inch blades, \$2.75.

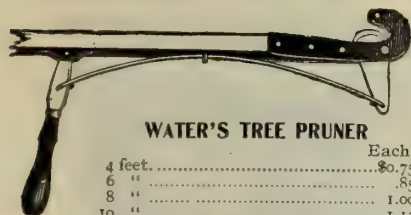
HEDGE SHEAR No. 2



Imported English laid blade, made of the very best steel, oil tempered, and built for heavy and steady work.

8 inch.....	Each.	8 inch, notched.....	Each.
9 ".....	\$1.25	9 " ".....	\$1.50
10 ".....	1.50	10 " ".....	1.75
	2.00	10 " ".....	2.25

The notched shears are for cutting heavy branches in the hedge.



WATER'S TREE PRUNER

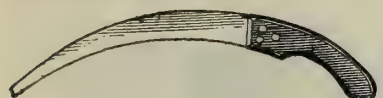
	Each.
4 feet.....	\$0.75
6 ".....	.85
8 ".....	1.00
10 ".....	1.15
12 ".....	1.25
Extra blades.....	.20

HEDGE SHEAR, Stamped Blade



	Each.		Each.
8 inch.....	\$1.00	8 inch, notched....	\$1.25
9 ".....	1.25	9 " ".....	1.50
10 ".....	1.75	10 " ".....	2.00
Ladies' Hedge Shear, 5½ inch blade.....	1.00		

CALIFORNIA BOW SHAPED PRUNING SAW



	Each.		Each
12 inch.....	\$0.50	14 inch.....	\$0.65

ENGLISH GRAPE-THINNING SCISSORS



Finest quality, imported. Used for thinning out the grapes in bunches, allowing the remaining ones to develop. 75c.

SCYTHES



Imported English Riveted Back.

	Each.		Each.
22 inch.....	\$1.40	36 inch.....	\$1.60
24 ".....	1.50	38 ".....	1.70

Imported Solid Back.
Same prices as riveted back.

SCYTHES



Little Giant Solid Steel Scythes

28 inch.....	\$1.15	32 inch.....	\$1.35
30 ".....	1.25	34 ".....	1.40

Scythe Snath or Handle

Patent best quality. 90 cents each.

SCYTHE STONES

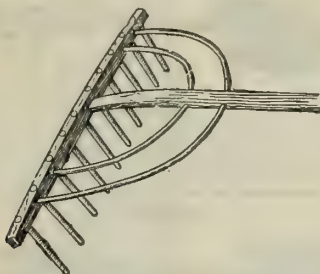


English Talacre quarry.
25 cents each; \$2.50 per dozen.



Scythe rifles, emery coated.
15 cents each; \$1.50 per dozen.

WOOD HAY RAKES



12 teeth, 30 cents each; \$3.00 a dozen.

Wood Lawn Rakes

24 teeth, 35 cents each; \$3.50 a dozen.

REVERSIBLE STEEL LAWN RAKE



Heavily tinned steel teeth, the arched teeth for leaves and litter, and the opposite side for fine cut grass.

24 teeth, each.....\$0.50

GRAVEL RAKES, Short Teeth



	Each.		Each.
12 teeth.....	\$0.40	16 teeth.....	\$0.60
14 "	0.50	18 " .....	.70

BOW HANDLE RAKE



Steel Garden Bow Handle.

11 teeth.....	\$0.70	15 teeth.....	\$0.80
13 teeth.....	.75		

STEEL GARDEN RAKE



10 teeth.....	\$0.50	14 teeth.....	\$0.60
12 teeth.....	.55	16 teeth.....	.65



**WARREN RAKE
IN USE**



**WARREN RAKE
"CLEANING ITSELF"**

It is the only rake on the market which will clean itself automatically and absolutely without annoyance to the user.

Price, 75c. each; \$8.00 per doz.

TINNERS' SNIPS



For cutting wires, tin, etc., very useful.
8 in.....\$0.90 11 in.....\$1.00

SOLID STEEL TROWEL



Hand forged, oil tempered, ferrule handle, and a splendid trowel for general use.
6 in.....\$0.35 7 in.....\$0.40

MAYNARD TROWEL



Solid steel trowel, the very best trowel made, socket shank, highly polished.
6 in., each.....\$0.75 7 in.....\$1.00

TRANSPLANTING TROWEL

Solid steel, largely used by market gardeners.
Each.....\$0.25



SLIM JIM TROWEL



A perfect trowel for making small, deep holes for transplanting and putting in bulbs.
10 in., each.....\$0.15 13 in., each.....\$0.25

STEEL GARDEN TROWEL



A first-class trowel for general garden work, light, cheap and strong.
Each.....\$0.25 doz.....\$2.75

ASBESTOS TORCH



This torch is composed of pure asbestos, and, when thoroughly soaked in kerosene oil, will burn with a high broad flame from 30 to 45 minutes. Being entirely incombustible, it can be used indefinitely without deterioration.

It will be found exceedingly effective in destroying nests of caterpillars, so destructive to fruit and shade trees.

It can be used for various other purposes, such as

starting brush fires, etc.

Unlike cotton waste or other combustible material, it does not carry sparks after it has ceased blazing; there is, therefore, no danger of its starting a fire after being used.

Price, each.....\$0.35 By mail.....\$0.45

HAZELTINE WEEDER



A very popular style of hand weeder, and one of the best. Its peculiar shape permits a wide range of work. 20c. each, \$2.25 doz. (postage, 5c. each extra).

THREE-CORNERED ONION WEEDER



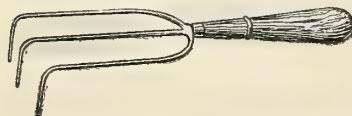
A popular tool for weeding among onions and other rowed crops. 20c. each, \$2.25 doz. (postage, 10c. each extra).

EXCELSIOR FINGER WEEDER



The claw fingers are useful for loosening and pulverizing the soil. 10c. each, \$1.00 doz. (postage, 5c. each extra).

EUREKA HAND WEEDER



Our choice of the finger weeders; the prongs, being of solid forged steel, are thin and long, and get right down to work in loosening soil and breaking crust. Short handle, 25c. each, \$2.75 doz. (postage, 10c. each extra).

NOYES WEEDER



A very handy tool for weeding flower beds, loosening soil, etc. 15c. each; by mail, 20c. each; \$1.50 doz.

MAYNARD'S PATENT FORGED

With Solid Cast Steel Socket



Each is forged from a single piece of cast steel, forming a solid mass $\frac{3}{4}$ inch thick, where others have an open pocket to admit the bend of the handle, thus giving a strength unattainable by any other means. The blades have no weld, no straps and no rivets. D socket handle, each.....\$1.50
Long socket handle, each.....1.50
Pointed socket D handle, each.....1.50
" " long handle, each.....1.50

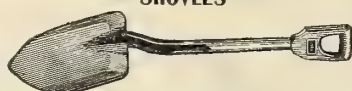


GARDEN DIBBLE

For transplanting cabbage, celery, tobacco, etc.

Small size\$0.35
Large "40

SHOVELS

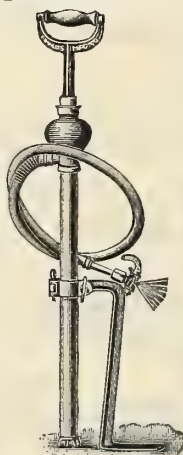


Ames' D strapped handle, each.....\$1.50
" long strapped handle, each.....1.50
" long handle, pointed, each.....1.50
" long handle, each.....1.50
Sickles' pointed, each.....1.00
" square front, each.....1.00

SPADES



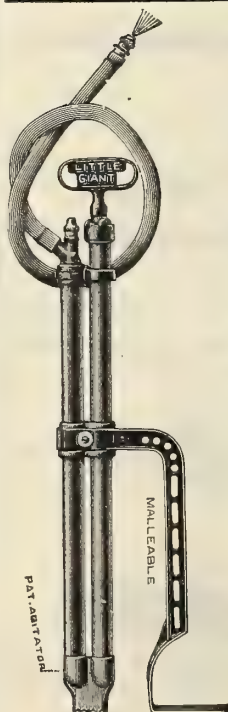
Ames' D handle, each.....\$1.50
Ames' long handle.....1.50
Maynard's socket D handle, each.....1.50
Sickles' D handle, strapped, each.....1.00



S. & W. BUCKET SPRAY PUMP

Bordeaux Brass Garden and Spray Pump is especially designed for spraying in gardens and greenhouses. Has adjustable foot-piece to fit different size buckets. With 3 feet $\frac{3}{8}$ -inch hose and spray nozzle.

Price.....\$3.75.



S. & W. BUCKET BRASS SPRAY PUMP

Being made of brass, it is not affected by the arsenites used for spraying. Easily operated; throws a solid stream fifty feet. It is provided with a combination nozzle, and also with a sprinkler for flowers. For spraying large trees, an eight-foot pipe extension is supplied for 60 cents extra. This pump is also valuable for washing windows.

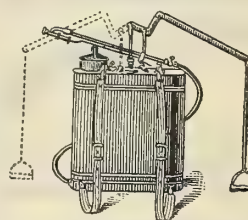
Price.....\$3.75

S. & W. WHITEWASH AND PAINTING MACHINE



By using this machine every crevice and corner which cannot be reached with a brush can be thoroughly painted or whitewashed, at the same time saving a great deal of labor and expense. One man can do as much work in one hour as five men could do with brushes in the same length of time. Price, No. 6—8-gallon galvanized iron machine, with all attachments, \$12.00. No. 7—16-gallon galvanized iron machine, with all attachments, \$15.00. Extra hose, per foot, 8c. Nozzle 85c.

"KNAPSACK" SPRAY PUMP

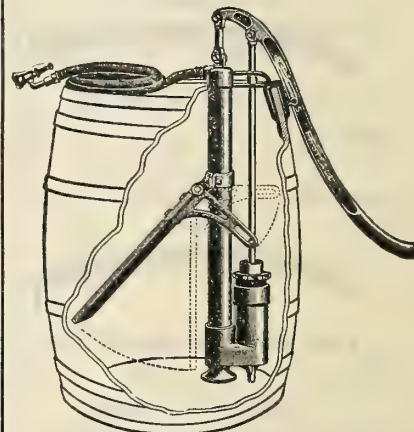


S. & W. "Knapsack" Spray Pump is made entirely of brass and copper with ball valve and metal plunger, all parts easily accessible. The reservoir is made of heavy copper,

capacity about five gallons. This sprayer is furnished complete as shown in cut with $3\frac{1}{4}$ feet of $\frac{3}{8}$ -inch discharge hose. "Mistry" nozzle and lance for degorger.

Price.....\$12.00

S. & W. FRUITALL SPRAY PUMP

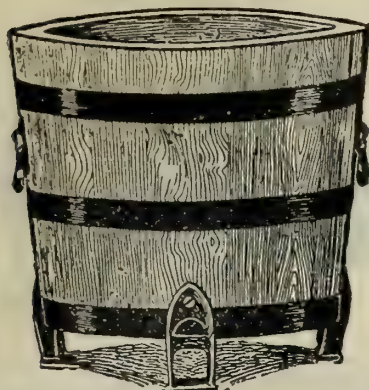


Is made on the same general lines as the famous "Pomona." It is, however, lighter and of smaller capacity. All working parts, including plunger, gland, valves, valve seats and strainer, are of brass. Pump is held in barrel by anchor at bottom and adjustable clamp at top, fitting over end of stave.

Outfit C, Single Lead.—Spray Pump with agitator and one lead 15 feet, $\frac{1}{2}$ -inch discharge hose, with "Mistry" or "Seneca" Spray Nozzle, barrel and pump mount, \$13.50.

Outfit D, Double Lead.—Spray Pump with agitator and two leads 15 feet each, $\frac{1}{2}$ -inch discharge hose, with "Mistry" or "Seneca" Spray Nozzles, barrel and pump mount, \$16.00.

UNION FLOWER TUBS



Made of cypress, painted green, with iron hoops and feet and handles; perforated bottom; very strong.

No.	Diameter	Height	Price
1.....	11 inches.....	13 inches.....	\$0.90
2.....	13 ".....	14 1/2 ".....	1.10
3.....	15 ".....	16 ".....	1.50
4.....	18 ".....	20 ".....	2.25
5.....	21 ".....	34 ".....	2.75

CEDAR TREE TUBS



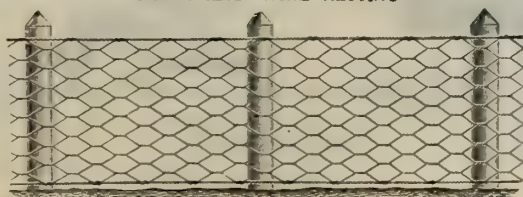
Outside Diameter.	Length of Stave.	
No. 0, 27 inches.	24 inches.....	\$6.00
No. 1, 25 ".....	22 ".....	5.00
No. 2, 23 ".....	20 ".....	4.50
No. 3, 21 ".....	18 ".....	4.00
No. 4, 18 ".....	16 ".....	3.50
No. 5, 16 ".....	14 ".....	3.00
No. 6, 14 ".....	12 ".....	2.50
No. 7, 13 ".....	11 ".....	2.25
No. 8, 12 ".....	10 ".....	2.00

ENGLISH FLOWER-GATHERING SCISSORS

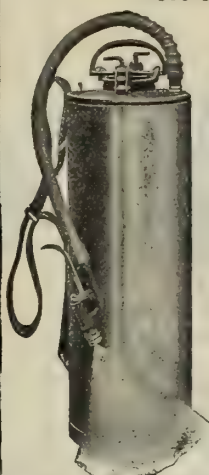


Finest quality, imported. Cuts and holds the flower. 75c.

GALVANIZED WIRE NETTING



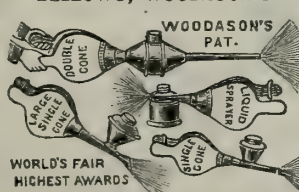
AUTO-SPRAY



Convenient, durable, efficient. Our patented leader of spray apparatus for small uses. Will do better work and do it easier than any other similar article. Useful with Bordeaux and all solutions, also in applying cold water paints or whitewash. Holds four gallons. Illustration shows our new "Auto-Pop" attachment which doubles the efficiency by saving half the solution and labor. Our "Anti-Choke" Nozzle, cleaned at every operation of "Auto-Pop" can never clog. Tank made of galvanized steel or brass. High grade hose. Heavy self-contained pump, all brass. Nipple connections, nozzle, etc., turned from solid brass rod with full threads. Castings for handle, etc., all malleable. No continuous pumping as in the case of the Knapsack Sprayer—no continuous pumping or slopping as in the case of the bucket pump. A few strokes of plunger compresses enough air to cover a quarter acre of potatoes or similar crop. The operator simply holds the nozzle. Also used for spraying disinfectants. A practical machine for potatoes, tobacco, small fruits, vineyards, poultry houses, greenhouses, etc. Extension pipes useful for spraying tall trees. Detailed descriptive circular on request.

"Auto-Spray," No. 1, Brass Tank with Stop Cock.....	\$6.00
"Auto-Spray," No. 1, Brass Tank, with "Auto-Pop" [recommended].....	7.00
"Auto-Spray," No. 1, Galvanized Tank, with Stop Cock.....	4.50
"Auto-Spray," No. 1, Galvanized Tank, with "Auto-Pop".....	5.50
"Auto-Pop," supplied separately.....	1.00

BELLOWS, WOODASON'S



Powder, small size.....	\$1.25
" large ".....	2.25
Liquid, small ".....	1.50
" large ".....	2.25

Double Cone Powder Bellows. For dusting plants with dry powders for insects and fungus. Price, \$3.25 each.

SYRINGES, Solid Brass

No. A. Barrel, 12 inches long, 1 spray and 1 stream rose. Price.....	\$2.50
No. 2. Barrel, 13 1/2 inches long, 1 coarse and 1 fine spray, and 1 stream rose. Price..	4.50

SYRINGES

No. 11, similar to No. 10

Open roses, two-spray roses and jet, side attachments, each.....\$4.75



Cone valves, two-spray roses and jet, side attachments, each.....\$5.50



G Barrel 16 in. x 1 1/2 in. diameter.

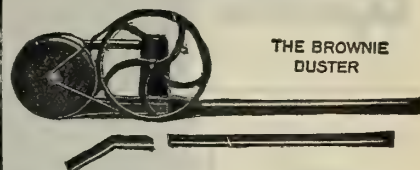
Open rose, one-spray rose and jet, one side attachment, angle joint. This joint can be detached and the syringe used in the ordinary way, each.....\$4.50



No. O

Fine spray, rose only, barrel 14 inches long, 1 1/2 inches in diameter, each.....\$2.75
No. O. Same as O O, but with barrel 12 1/2 inches long, 1 1/4 inches in diameter, each 2.25

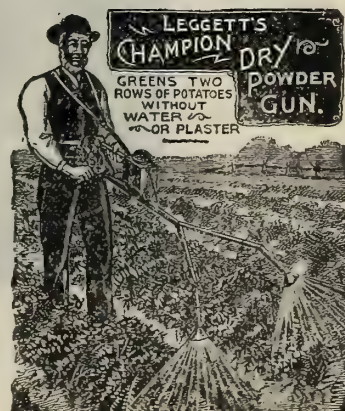
THE BROWNIE DUSTER



THE BROWNIE DUSTER

For garden, vineyard and small trees. Particularly useful for indoor as well as outdoor work, wherever a dry powder is required. Price, \$3.00 each.

DRY POWDER GUNS

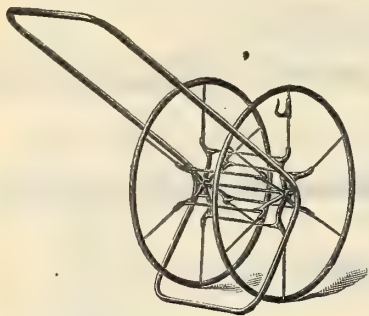


Distributes Paris green, London purple, hellebore, sulphur, lime, dry Bordeaux mixture, dry Bordeaux mixture and Paris green compound, Spanish pink, Pyrethrum Powder, etc.; dispenses with bother and labor of using water. Price, \$8.50.

In rolls 150 feet long. We do not sell less than rolls.

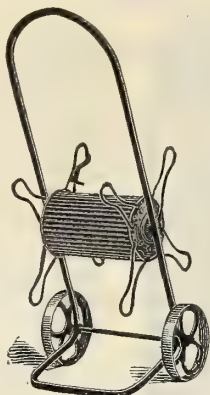
Width	2 inch Mesh	1 1/2 inch Mesh	1 1/4 inch Mesh
12 inches wide.....	\$1.00.....	\$1.25.....	\$2.00.....
18 ".....	1.50.....	2.00.....	3.00.....
24 ".....	2.00.....	2.60.....	4.00.....
30 ".....	2.50.....	3.30.....	5.00.....
36 ".....	3.00.....	4.00.....	6.00.....
40 ".....	3.50.....	4.50.....	7.00.....
48 ".....	4.00.....	5.50.....	8.00.....
54 ".....	5.00.....	6.00.....	9.00.....
60 ".....	5.50.....	6.75.....	10.00.....
72 ".....	6.00.....	8.00.....	11.00.....

HOSE CART No. 1



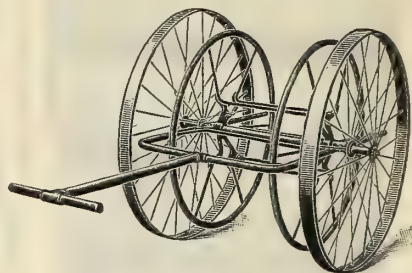
For lawn or garden. Very simple in construction, easily manipulated and almost unbreakable. Price \$3.00.

K. C. HOSE REEL



All metal, tubular frame, corrugated drum to allow circulation under Hose. Price \$2.00.

S. & W. CO.'S HOSE CART



For a small quantity of large hose or a large quantity of small hose.

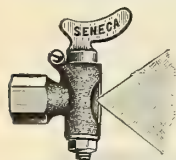
Tubular steel reel, frame and tongue, malleable castings, and steel tricycle wheels with 2 inch tires. Capacity 400 feet. Price \$10.00.

FAIRY NOZZLE



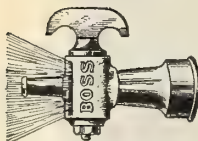
Brass..... 50c.

Seneca Spray Nozzle



Gives a fan-shaped spray, covering a large area. Price \$1.25.

BOSS NOZZLE



The best nozzle for use against red spider. Price 50c.

GARDEN HOSE



The Rubber Hose we offer is all made of the best rubber and will outlast cheap hose ten times over. We guarantee all our Hose and will replace same if returned within reasonable time, in season, and found to have any defects the fault of the manufacturer.

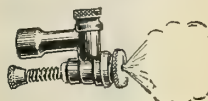
Knockany. 5 ply, 16c. per ft. **Greenhouse.** 4 ply, 14c. per ft. **Wearlong.** 3 ply, 10c. per ft. Price includes couplings in 25 or 50-foot lengths. Prices on cotton-covered hose on application.

Graduating Spray Nozzle



Will throw a fine or coarse spray, or straight stream. Price 40c.

Mistry Spray Nozzle



Produces a perfect mist or fog at a very low pressure. Price 65c.

BOSTON NOZZLE



Copper face. Price 50c.

LITTLE WONDER HOSE MENDER



3c. each; 30c. per dozen.

JONES' SCREW END HOSE MENDER



5c. each, 50c. per dozen.

COOPER'S BRASS HOSE MENDERS



The best mender made. Will last forever.

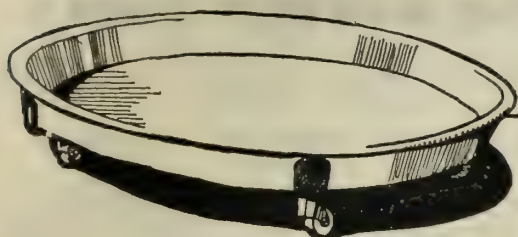
1/2 inch, 7c. each.....75c. per dozen.
3/4 " 7c. "75c. "
1 " 8c. "85c. "

CALDWELL'S HOSE MENDING OUTFIT



Practical, simple, perfect. Box of 6 tubes, 20 bands and pliers, 75c.; or by mail, \$1.00. (Give size of hose.)

Extra tubes, 3/4 inch, 3c. each. Extra pliers, 30c. each. Extra bands, 20c. a dozen.



ROLLING STANDS FOR HEAVY PLANTS

Platforms are Indurated Fiber Ware. Will not soak or rust. Casters have ball-bearings. Every heavy plant sold needs one to save carpets and floors, and to enable carpets and floors to be readily cleaned.

Price List Rolling Stands

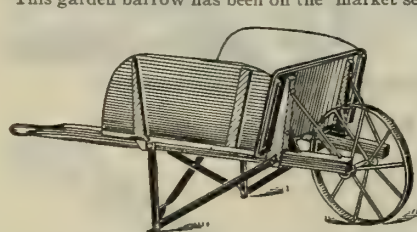
Outside diameter about	Diameter at bottom of pot	Castors	Price
12 inches	10 inches	3	\$0.75
14 "	11 "	3	.85
16 "	13 "	4	1.00

Price List Rolling Stands

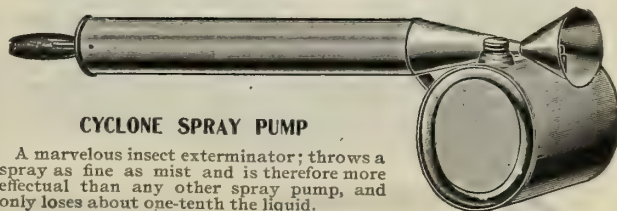
Outside diameter about	Diameter at bottom of pot	Castors	Price
18 inches	15 inches	4	\$1.10
20 "	17 "	4	1.20
22 "	20 "	5	1.40

S. & W. FOLDING STEEL FRAME

The neatest in design, the lightest in weight, the finest finish, the most durable, hardwood handles, handsomely painted.



This garden barrow has been on the market seven years, and the great numbers which have been sold in all parts of the country during that time and the universal satisfaction they have given, fully substantiates all claims we make for it. The frame is made from 1 inch angle bar with foot turned, so it will not injure a lawn. Supplied with No. 1 steel wheel. The frame and wheel are japanned black; sides and handles bright green. Size of front 12x19 inches, sides 12x28 inches, bottom 21x27 inches, weight 40 lbs. Price, \$3.50.



CYCLONE SPRAY PUMP

A marvelous insect exterminator; throws a spray as fine as mist and is therefore more effectual than any other spray pump, and only loses about one-tenth the liquid.

No. 1. All tin.....Each, \$0.50 No. 1. All copper..... Each, \$1.00

S. & W. TRUCK, LEAF RACK, AND WATER BARREL COMBINATION



When we consider the almost innumerable uses to which our combined truck, leaf rack, and water barrel combination can be put, its handiness, and the immense amount of time and hard labor saved by its use, it is not a matter of surprise that it is steadily growing

into popular favor. It is one of those articles that cause the user to wonder how he ever did without it, as it really becomes indispensable when once used. Price, truck and barrel as in cut with 2½ inch tire wheels, \$11.00; with handy cart box, length 37 in. by 23½ in. wide by 8 in. deep, \$3.00 extra; with leaf rack, 42 in. long by 28 in. wide by 21 in. deep, \$5.00 extra. Price, complete with truck, water barrel, box, and leaf rack, \$19.00.

FUMIGATORS

Eureka, No. 1, holds ½ peck stems.....	\$1.50
" No. 2, " 1 " "	2.00
" No. 3, " 1 bush, "	2.50
Perfection, No. 1, holds 1 peck stems.....	3.00
" No. 2, " ½ bush, "	3.75
" No. 3, " ¾ " "	4.50
Nicotinic outfit, complete.....	.50



AUTO-SPRAY WHITEWASH AND PAINT MACHINE



This is warranted the most powerful and most durable machine in its class.

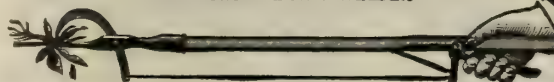
DESCRIPTION

Tank.—Extra heavy galvanized steel; holds eight gallons, and has reinforced cover. Pump.—All brass but handle-fittings; cylinders extra heavy, 1½ inches in diameter, both air and pump; ball valves and three-ply hose.

Weight.—Net 20 pounds, shipping 35 pounds. Uses.—Suitable for spraying insecticides and fungicides on trees, shrubs and vines, as well as the application of whitewash or cold water paints, and will do the work of 5 men with brushes.

Price, complete with 8 feet of hose, 8-foot iron extension and 1 Vermorel nozzle suitable to all classes of spraying, \$12.00.

CLEVELAND LAWN WEEDER



A chisel blade cuts off the weeds; the trigger holds them so they can be pulled out. 60c. each.

FLOWER POT SAUCERS (Waterproof)



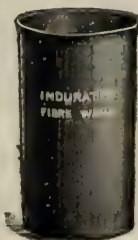
If you have ever been annoyed with ordinary flower-pot saucers absorbing moisture and dispensing it imperceptibly until the article it sat on was ruined, you will then fully appreciate the value of these new indurated fiber-ware saucers. They do not absorb moisture and are not

easily broken. Color, terra cotta brown.

	Each	Doz.		Each	Doz.
4-inch	\$0.06	\$0.70	10-inch	\$0.11	\$1.10
5 " .....	.07	.80	11 " .....	.12	1.15
6 " .....	.08	.90	12 " .....	.13	1.25
7 " .....	.09	.95	13 " .....	.14	1.50
8 " .....	.10	1.05	14 " .....	.16	2.00
9 " .....	.11	1.10			

PRICE-LIST OF FLORISTS' VASES

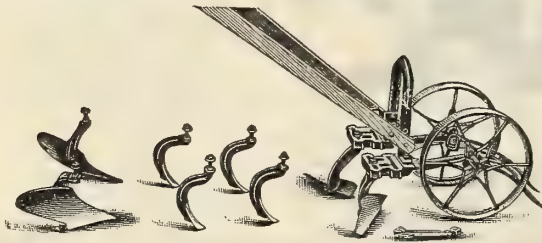
For Displaying Cut Flowers



Diameter	Depth	Order by	Plain,
Inch. inside	Inch. inside	No.	per Doz.
8	13	0	\$4.50
5½	10	1	4.20
4½	9	2	3.60
4	6	3	3.00
3	4½	4	2.40
9	22	00	9.00
5½	18	11	4.80
4½	15	22	4.20
4	12	33	3.60
3	9	44	3.00
9	29	000	18.00

"PLANET JR." FARM AND GARDEN TOOLS

Space will not permit illustrating and describing all of the "Planet Jr." tools; but we will gladly send fully illustrated catalogue free for the asking to any address. Remember, "Planet Jr." machines are the recognized standards throughout the world, and are guaranteed by the manufacturers.



No. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

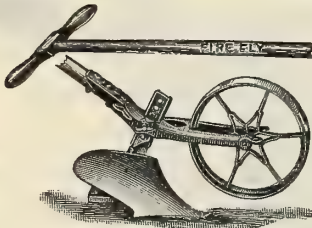
This wheel hoe is invaluable for use in all small crops. Its variety of work is almost incredible. Changes and adjustments of the tools are made with the greatest quickness. It has 11-inch wheels, which can be set at different distances apart; malleable frame, with ample room for tool adjustment, and can be set at different heights. The arch is of stiff steel, unusually high; the quick change frame permits the tools to be changed without removing the nuts.

PRICE, \$7.00

No. 17 SINGLE WHEEL HOE, CULTIVATOR AND PLOW

This latest and best single-wheel hoe has a set of tools such as have been found to work in the very best manner. It has 11-inch wheel with broad face; is very light, strong and easy running. It has adjustable handles and quick-change frame; the frame changes in height, and the wheel may be attached to the other side of the frame, when both sides of the row may be hoed at one passage.

PRICE, \$5.00



No. 11 "PLANET JR." DOUBLE WHEEL HOE

Price with attachments as in cut.

Packed weight, 37 lbs.

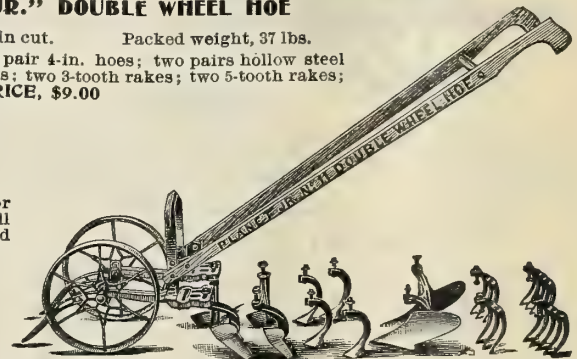
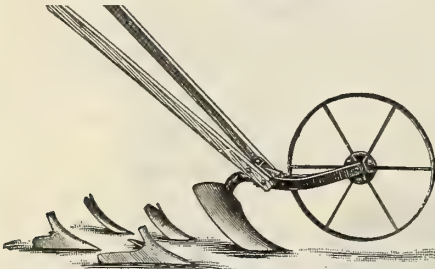
One pair 6-in. hoes; one pair 4-in. hoes; two pairs hollow steel cultivator teeth; one pair plows; two 3-tooth rakes; two 5-tooth rakes; and two leaf lifters.

PRICE, \$9.00

THE "FIRE-FLY" GARDEN PLOW

This tool is most useful in small gardens, opening furrows for manure or seeds, and covering them quickly. Chicken raisers will find it very useful in plowing up the scratching yards. The moldboard is of tempered and polished steel, the depth is quickly changed.

PRICE, \$2.50



FARMERS' No. 19 SINGLE WHEEL HOE CULTIVATOR AND PLOW

This new and attractive implement is especially designed for the Farmers' Garden Work, though it offers to everyone, with either field or garden, a cheap and effective tool for all hand wheel hoe operations.

The Wheel is high and is made with stiff steel rim and spokes, and a combination steel and malleable iron hub. The wheel arms are steel and the frame of the tool is attached adjustably to the wheel arms, so that the height of the handles may be readily changed to suit man or boy.

The Standard is slotted to make regulation of depth easy, and, by means of an adjustable malleable filling piece, the same standard is made to carry perfectly all the steels that come with the machine.

PRICE, \$3.50.

"PLANET JR." No. 13 DOUBLE WHEEL HOE.....\$4.75

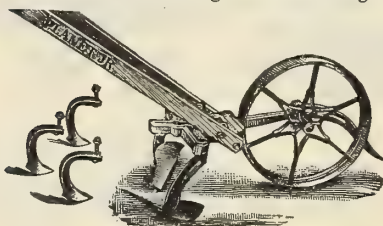
"PLANET JR." No. 16 SINGLE WHEEL HOE, consists of two 6-inch hoes; three cultivator teeth; one 7-inch and one 4-inch rake; a large garden plow and leaf guard. Packed weight, 26 lbs. 5.85

"PLANET JR." No. 18 SINGLE WHEEL HOE, one pair 6-in. hoes only 3.50

THE "PLANET JR." GRASS EDGER

It will do either straight or curved edging at a speed of a mile an hour. It should be the constant companion of the lawn mower. Strawberry growers will find the Grass Edger, with the hoe removed, a rapid and perfect tool for cutting off surplus runners.

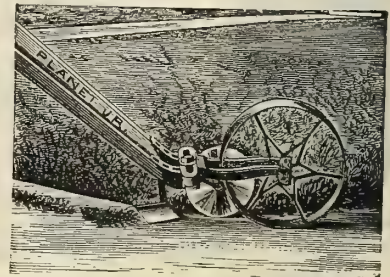
PRICE, \$6.00



No. 17½ SINGLE WHEEL HOE AND CULTIVATOR

This machine is similar to No. 17, except it has no plow, but it has a leaf lifter. Thousands of them are sold annually for cultivating sugar beets and onions.

PRICE, \$4.50



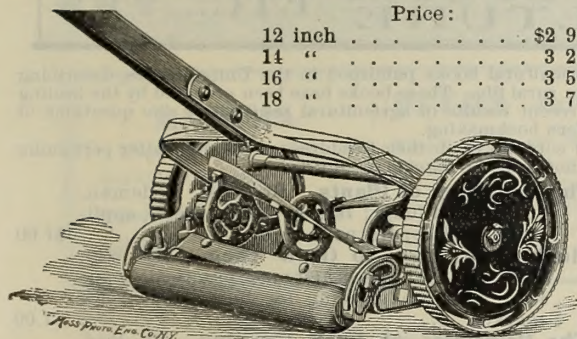
LAWN MOWERS

BANNER MOWER

A first-class low-priced Mower for general use.

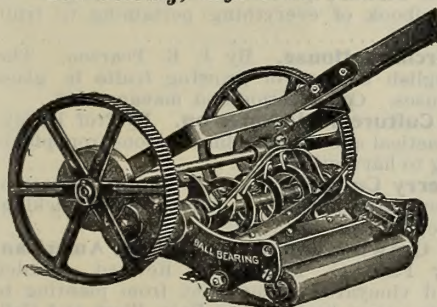
Price:

12 inch	\$2 90
14 "	3 25
16 "	3 50
18 "	3 75



VICTORY

Ball-Bearing; High-Grade Mower



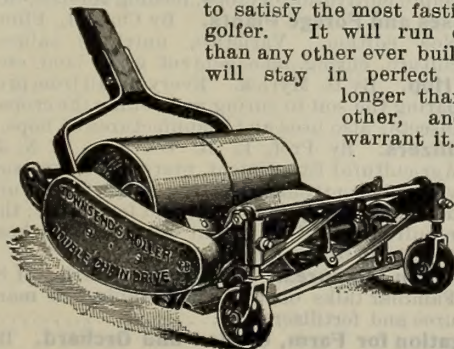
Ball-bearing 10-inch wheels, triple gear, four-bladed reel. A 24-inch mower can be operated as easily as a 16-inch of the old style, and lawn mown in one-quarter of the time.

14 inch	\$9 00	20 "	\$12 00
16 "	10 00	22 "	13 00
18 "	11 00	24 "	13 50

CHAIN ROLLER GOLF MOWER

Specially Designed for Borders and Golf Greens

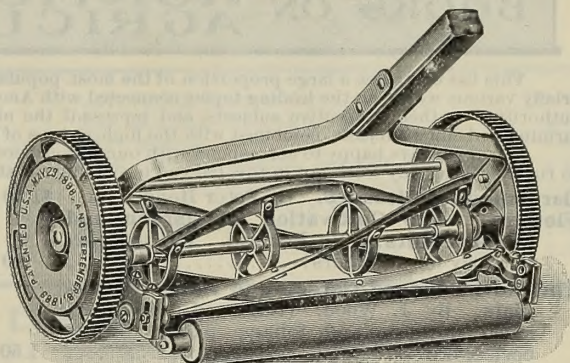
This mower will cut close enough and clean enough to satisfy the most fastidious golfer. It will run easier than any other ever built. It will stay in perfect order longer than any other, and we warrant it.



Sizes	12 in.	14 in.	16 in.	18 in.
Net prices	\$10 00	\$11 00	\$12 00	\$13 00

H. W. UNIVERSAL

With Ball Bearings

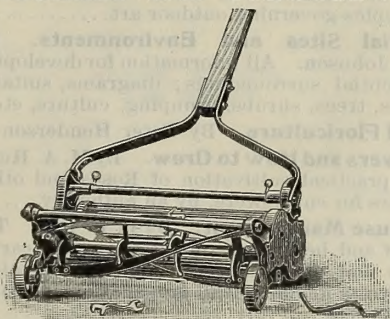


A first-class High Wheel Lawn Mower at a popular price. Four Revolving Knives giving continuous cut. Nine-inch Driving Wheels. Drop forged steel self-locking Pawls. Flexible lower Knife. Self-sharpening. Made of best materials and fully warranted.

Price:

14 inch	\$5 50	18 inch	\$6 50
16 "	6 00	20 "	7 00

EASY BORDER AND TERRACE MOWER



10 inch	\$6 00	16 inch	\$9 00
12 "	7 00	18 "	10 00
14 "	8 00	20 "	11 00

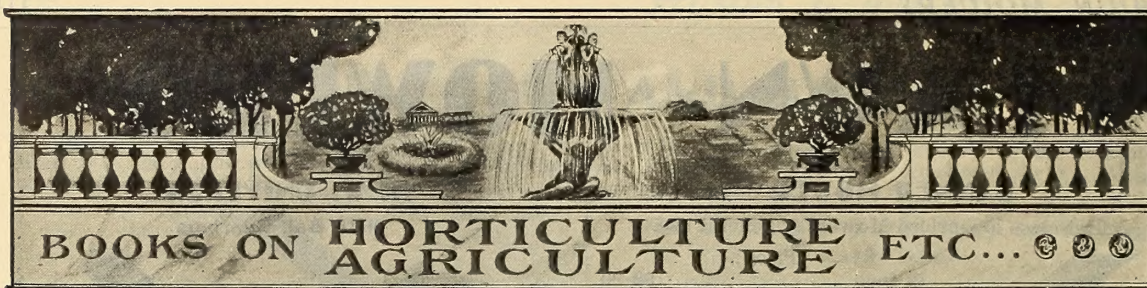
COLDWELL'S HIGH WHEEL IMPERIAL



14 inch	\$8 00	18 inch	\$10 00
16 "	9 00	20 "	11 00

TOWNSEND'S HORSE LAWN MOWER

30-in.	\$75 00	35-in.	\$80 00	38-in.	\$85 00
----------------	---------	----------------	---------	----------------	---------



This list embraces a large proportion of the most popular agricultural books published in the United States, describing briefly various works on the leading topics connected with American rural life. These books have been prepared by the leading authorities on their respective subjects, and represent the most recent results of agricultural research on the questions of farming and allied subjects, combined with the highest type of modern bookmaking.

We are always happy to correspond with our subscribers and cordially invite them to address us on any matter pertaining to rural books. Any work not in this list can be obtained at short notice at the regular retail price.

- | | | | |
|---|--------|---|--------|
| Gardening for Pleasure. By Peter Henderson. | \$1.50 | The Spraying of Plants. By Prof. Lodeman. Insects and fungi; liquids and powders; application and apparatus. | \$1.00 |
| Flowers, (The Cultivation of Garden and House Plants.) By Rexford. Written particularly for amateurs. | .50 | Mushrooms, How to Grow Them. By Wm. Falconer. The best and most practical American work on growing for home use or for market. | 1.00 |
| The Old-Fashioned Garden and Hardy Perennials. By J. Wood. (Imported.) Old-fashioned flowering and foliage plants, shrub-beries, etc. | 1.50 | The Principles of Fruit Growing. By Prof. Bailey. A new work and one of the most valuable on the subject, science and practice. | 1.25 |
| Garden Making. By Prof. Bailey. Instructions for beginners and for the skilled gardener. Covers the whole subject, laying out and planting small city yards and large suburban grounds, plants, trees, bedding, pruning, vegetables, fruits, scientific truths in simple language. | 1.00 | American Fruit Culturist. By J. J. Thomas. 20th edition; just revised and enlarged. A handbook of everything pertaining to fruit culture. | 2.50 |
| Handbook of Plants. By Peter Henderson. Description and American culture of species. | 3.00 | The Orchard House. By J. R. Pearson. The English method of growing fruits in glass houses. Construction and management. | .50 |
| Landscape Gardening. By Prof. Waugh, University of Vermont. A short treatise on the principles governing outdoor art. | .50 | Apple Culture, Field Notes on. By Prof. Bailey. Practical and valuable instructions from planting to harvesting. | .75 |
| Residential Sites and Environments. By J. F. Johnson. All information for developing residential surroundings; diagrams, suitable plants, trees, shrubs, grouping, culture, etc. | 2.50 | Cranberry Culture. By J. J. White. Location, preparation, planting, management, picking, keeping, etc., etc. | 1.00 |
| Practical Floriculture. By Peter Henderson. | 1.50 | Grape Growing and Wine Making, American. By Prof. G. Husmann. Revised. Garden and vineyard management from planting to harvesting, both in the East, West and California; all about making wine. | 1.50 |
| Cut Flowers and How to Grow. By M. A. Hunt. The practical cultivation of Roses and other flowers for cut flowers, by an authority. | 2.00 | Strawberry Culturist. By A. S. Fuller. Field, garden, forcing and pot culture; hybridizing, varieties, etc. | .25 |
| Greenhouse Management. By L. R. Taft. The latest and best work on forcing roses, carnations and other florists' flowers, vegetables and fruits under glass; propagation, diseases and insects. | 1.50 | Hedges, Windbreaks, Shelters and Live Fences. By E. P. Powell. The planting, growth and management for country and suburban homes. | .50 |
| The Window Flower Garden. By J. J. Heinrich. The personal experience of a practical florist. | .50 | A Handbook for Farmers and Dairymen. By F. W. Woll, Professor of Agricultural Chemistry, University of Wisconsin. A book of reference of great value, facts, tables, formulas, receipts, cultivation of crops, feeding animals, etc. | 1.50 |
| House Plants; How to Succeed with Them. By Lizzie P. Hillhouse. For women who grow house plants, by a woman who has success. | 1.00 | Grasses and Forage Plants. By Chas. L. Flint. New edition. Varieties, nutritive values, culture, curing, management grass land, etc. | 2.00 |
| Bulb Culture. By Peter Henderson. | .25 | The Hop. By H. Myrick. Every detail from preparing the soil to curing and selling the crops; insects; also uses and manufactures of hops. | 1.50 |
| Chrysanthemum Culture for Amateurs and Professionals. An English work, by Ravenscroft. Culture for both exhibition and market. | .50 | Fertilizers. By Prof. E. B. Voorhees, of N. J. Agricultural Experiment Station. A new and valuable contribution to the subject; the underlying principles of soils and fertilizing; the requirements of important crops, and the best fertilizers to use for them. | 1.00 |
| Dahlia, The. By L. K. Peacock. New and valuable work, classes, varieties, descriptions, cultivation, history. | .30 | Talks on Manures. By Joseph Harris, M.S. Familiar talks on the whole subject of manures and fertilizers. | 1.50 |
| Rose Culture, Secrets of. By W. J. Hatton, florist. Paper. Rose houses, heating, management; best Roses for all purposes, etc. | .50 | Irrigation for Farm, Garden and Orchard. By Henry Stewart. Methods and management to secure water for critical periods. | 1.00 |
| Sweet Peas. By Rev. W. T. Hutchins. Varieties, cultivation, etc. | .20 | | |
| Violet Growing. (Commercial.) By Prof. Galloway, of U. S. Department of Agriculture. The subject is fully covered, from suitable houses and varieties, culture, diseases, etc., to shipping the flowers. | 1.50 | | |
| Gardening for Profit. By Peter Henderson. | 1.50 | | |

Success in Market Gardening. By W. W. Rawson. Vegetables out-of-doors and under glass. Specially adapted to New England climate.....	\$1.00
Asparagus. By F. M. Hexamer. A practical new treatise on the best methods of raising, cultivating, harvesting, marketing, forcing and canning asparagus.....	.50
Cabbages, Cauliflower, etc. By C. L. Allen. A new work. Gives complete instructions from seed time till harvest.....	.50
How the Farm Pays, By Messrs. Henderson & Crozier	2. 00

RAPHIA		REEDS (Rattan)				PEAT, FIBROUS , for orchids, per bbl.....\$2 50	
For tying plants, or		Ounce	$\frac{1}{4}$ lb.	1 lb.		PEAT, ROTTED , for potting, per bag..... 2.00	
making baskets		No. 1	\$0.10	\$0.35	\$1.25	LEAF MOULD , " " " "..... 1 50	
		" 2	0.08	0.30	1.00	MOSS , live for orchids, per bbl..... 2.50	
		" 3	0.07	0.22	.75	" Sphagnum for packing, per bale (5 bbls.) 3.00	
Natural , lb. 20c., 5 lbs. 75c.		" 4	0.07	0.22	.75	" Sheet, for decorating, " " (12 lbs.) 5.00	
Colored , " 50c., 5 " \$2.00		" 5	0.05	0.18	.60	ROTTED LOG , for potting " bag..... 2.00	
		" 6	0.04	0.15	.50	POTTING SOIL , peck, 25c., bushel 75c., barrel.. 2.00	

VEGETABLE SEEDS	PAGE	FLOWER SEEDS	PAGE		PAGE		PAGE
Artichoke Roots.....	32	Abronia.....	42	Dianthus.....	51	Smilax.....	60
Asparagus.....	5	Abrus Precatorius.....	42	Digitalis.....	51	Stevia.....	60
Beans.....5 and 6		Abutilon.....	42	Dracena.....	52	Stokesia.....	37
Beet.....3 and 7		Acacia.....	42	Echeveria.....	52	Stocks.....	41, 61
Brussels Sprouts.....	3, 7	Acroclinium.....	42	Echinocystis.....	52	Sunflower.....	64
Buckwheat.....	32	Adlumia Cirrhosa.....	42	Eschscholtzia.....	52	Sweet Peas.....	62, 63
Cabbage.....	8	Adonis.....	42	Euphorbia.....	52	Sweet William.....	64
Carrot.....	10	Agapanthus.....	42	Ferns.....	52	Thunbergia.....	64
Cauliflower.....4 and 9		Ageratum.....	42	Forget-Me-Not.....	52	Torenia.....	64
Celery.....	11	Agrostemma.....	42	Four o'Clocks.....	52	Tropeolum.....	57
Celeriac.....	11	Alonsoa.....	42	Foxglove.....	52	Verbena.....	65
Cheerily.....	9	Alyssum.....	43	Fuchsia.....	53	Violets.....	65
Chicory.....	9	Amaranthus.....	43	Gaillardia.....	52	Vinca.....	65
Corn, Field.....	31	Ampelopsis Veitchii.....	43	Geranium.....	53	Wallflower.....	65
Corn, Sweet.....	32	Anagallis.....	43	Globe Amaranth.....	53	Wistaria.....	65
Corn, Salad.....	12	Anemone.....	43	Gloxinia.....	53	Zinnia.....	65
Cress.....	9	Angelonia.....	43	Godetia.....	53	S. & W. Hardy Perennial Flower Seeds.....	66
Cucumber.....	13	Antirrhinum.....	39, 43	Gourds.....	53		
Dandelion.....	14	Aquilegia.....	43	Grevillea Robusta.....	53		
Egg Plant.....	14	Arctotis Grandis.....	42	Gypsophila.....	53		
Endive.....	14	Aristolochia, Siphoc.....	43	Helichrysium.....	52		
Garlic.....	14	Asparagus, Ornamental.....	45	Heliotrope.....	53		
Herbs.....	29	Asperula.....	43	Heuchera.....	53		
Horse Radish.....	15	Asters.....38, 44, 45		Hibiscus.....	53	Bay Trees.....	90
Kale.....4 and 14		Balloon Vine.....	45	Hollyhock.....	53	Begonias.....	69
Kohl-rabi.....4 and 14		Balsam.....	45	Hyacinth Bean.....	51	Bessera.....	69
Leek.....	16	Bartonia.....	45	Humulus (Hop).....	54	Caladium.....	69
Lettuce.....1, 2, 15		Begonia.....	46	Ice Plant.....	53	Cannas.....70, 71	
Martynia.....	16	Bellis Perennis.....	46	Impatiens Sultana.....	53	Cinnamon Vine.....	78
Melon, Musk.....3, 16		Brachycome.....	45	Ipomoea.....	54	Clematis.....	85
Melon, Water.....	17	Browallia.....	46	Lantana.....	54	Collections of Bulbs.....	71
Millet.....	32	Calceolaria.....	46	Larkspur.....	54	Conifers or Evergreens.....	96, 97
Mushroom Spawn.....	17	Calendula.....	46	Lathyrus Latifolius.....	54	Dahlias.....72, 73, 74, 75	
Mustard.....	32	Calliopsis.....	46	Linaria Cymbalaria.....	54	Deliya.....	78
Oats.....	32	Campanula.....	46	Leptosiphon.....	54	Fruit Trees.....	91
Okra.....	20	Canary Bird Vine.....	47	Lobelia.....39, 54		Fruit, Foreign.....	91
Onions.....18, 19		Candytuft.....	47	Love-in-a-Mist.....	55	Fruit, Small.....	92, 93
Onion Sets.....	20	Canna.....	47	Lupinus.....	55	Gladiolus.....76, 77	
Parsley.....	20	Canterbury Bells.....	47	Lychnis.....	55	Gloxinias.....	69, 78
Parsnip.....	32	Carnation.....38, 47		Marigold.....	56	Grape Vines.....	92
Peas, for Fodder.....	20	Catchfly.....	47	Mathiola Bicornis.....	56	Hedge Plants.....	97
Peas.....3, 21, 22		Celosia.....	49	Matricaria.....	56	Herbaceous Plants.....	94, 95
Pepper.....	20	Centaurea.....	48	Maurandya.....	55	Hyacinths, Summer.....	69
Potatoes.....2, 23		Centranthus.....	48	Mignonette.....41, 56		Hollyhocks.....	83
Pumpkin.....	22	Centrosema.....	48	Mimosa Pudica.....	55	Iris, Japan.....	84
Rape.....	32	Chrysanthemum.....38, 48		Momordica.....	55	Iris, German.....	86
Radish.....	24	Cigar Plant.....	48	Morning Glory.....	50	Lilium Bulb.....79, 80	
Rhubarb.....	26	Cineraria.....	48	Musa Ensete.....	50	Lily of the Valley.....	80
Ruta Baga.....	28	Clarkia.....	49	Myosotis.....	52	Madeira Vine.....	78
Rye.....	28	Clematis.....	49	Nasturtium.....39, 57		Milla Biflora.....	78
Salsify.....	25	Clianthus.....	49	Nicotiana.....37, 57		Montbretia.....	78
Scorzonera.....	25	Cobaea Scandens.....	49	Nigella.....55, 57		Oxalis.....	78
Sea Kale.....	25	Coccinea.....	49	Oenothera.....	57	Peonies.....	82, 83
Sorrel.....	25	Cockscomb.....	49	Oxalis.....	57	Phloxes.....	83, 86
Spinach.....	25	Coleus.....	49	Pansy.....	57	Roses.....80a, 81, 82	
Sprouts.....	25	Collinsia.....	49	Pastion Flower.....	59	Shrubs,	
Squash.....	26	Convolvulus.....	50	Petunia.....	59	Flowering,	
Swiss Chard.....	25	Coral Plant.....	43	Phlox.....40, 59		86, 87, 88, 89	
Tobacco.....	29	Cosmos.....	50	Physalis.....	60	Tigridias.....	78
Tomato.....1, 4, 27		Cuphea.....	51	Pinks.....	41	Tuberoses.....	78
Turnip.....	32	Cyclamen.....	51	Poppy.....	60	Trees, Ornamental.....	84
Wheat.....	32	Cypress Vine.....	51	Portulaca.....	60	Vines and Creepers.....	9
Bird Seeds.....	30	Dahlia Seed.....40, 51		Primula.....	60	Water Lilies.....67, 68	
Poultry Foods.....	30	Datura.....	51	Pyrethrum.....	60		
Grass and Clover Seeds.....33, 34, 35, 36		Delphinium.....	51	Rhodanthe.....	60		
				Rose Seed.....	60		
				Salvia.....	61	Asparagus Knives.....	101
				Scabiosa.....	61	Asparagus Buncher.....	101

Gold Medal Collections SWEET PEAS

No 1	Contains	7	Packets	75	Seed	each	25¢
" 2	"	15	"	"	"	"	50¢
" 3	"	40	"	"	"	"	1.00

THESE COLLECTIONS ARE MADE
UP OF THE VERY FINEST
VARIETIES

AND COLLECTIONS
ARE ALL SEPERATE LARGE
FLOWERING SORTS.

COLLECTION 1 Packet Each 12 Newest Varieties SWEET PEAS

INCLUDING THE
NEW ENGLISH VARIETIES
EVELYN BYATT

GLADYS UNWIN, HELEN PIERCE,
KING EDWARD VII. ALSO DAINITY,
ROYAL ROSE GOLDEN ROSE, DARK LAVENDER,

C OF RADNOR DOROTHY ECKFORD MAID OF HONOR PRINCESS OF WALES

12 PACKETS
ONE EACH.
VARIETY AS
SHOWN IN PLATE
75¢

THIS COLLECTION
IF PURCHASED

SEPERATELY WOULD COST \$1.25